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The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

3477
L. CXLVI

SEPTEMBER 28, 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.

A POLICY WORTH REPEATING

ALWAYS THROUGH THE DRUG TRADE
 ALWAYS THROUGH THE DRUG TRADE

Lilly

For more than sixty years the Lilly Marketing Policy has sought to protect the interests of the retail pharmacist, to strengthen his position with the public as well as with the medical profession. It has discouraged vicious and destructive price cutting by offering Lilly Products at one price, and only one, to all pharmacists alike, through the Lilly distributor. There has never been any doubt about the fairness of this policy. It meets the requirements of any business, large or small. Through its application, complete prescription stocks can be maintained with minimum investment. The soundness of the Lilly Marketing Policy has been definitely established. Its benefits are manifest.

ALWAYS THROUGH THE DRUG TRADE

ELI LILLY AND COMPANY LIMITED
 BASINGSTOKE HANTS



The
principle
behind
Wright's
Coal Tar
Soap

For over 80 years Liquor Carbonis Detergens has been used and recommended by specialists in skin diseases because of its antiseptic and antipruritic powers. Today those powers are more effective than ever before, thanks to continuous laboratory research and much improved methods of manufacture. Based on this therapeutic principle, Wright's Coal Tar Soap, mild and soothing in action, gives health protection to the skin.



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for your copy today!

A CONCISE LIST OF **MONSANTO** **PRODUCTS**

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- FLAVOURINGS
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- PLASTICIZERS
- RUBBER CHEMICALS
- DYESTUFF INTERMEDIATES
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CHEMICALS





*When the Franco-German war began
Woolleys were nearly 75 years old*

During one hundred and fifty years of wars and
rumours of wars, Woolleys have increasingly
served the interests of Pharmacy.

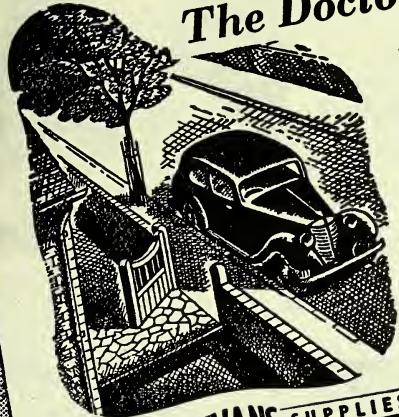
1796 — 1946

**WOOLLEYS
OF MANCHESTER**

JAMES WOOLLEY SONS & CO. LTD., Victoria Bridge, MANCHESTER, 3.

This advertisement and others

The Doctor is at No. 23 . . .



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Your doctor trusts them
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AT TIMES OF SICKNESS, the doctor's knock at the door is the world's most comforting sound. But the doctor at the bedside is only part of the army which fights disease. Behind him, supporting him, is the research scientist in the laboratory. For in the laboratory are forged the weapons of healing—medicines, drugs, sera, vaccines—upon which both doctor and pharmacist rely.

In the vital field of research and discovery, the name of Evans holds a distinguished place. Behind the perfection of Evans products—biological, pharmaceutical, chemical—lies nearly 140 years of experience.

LIVERPOOL AND LONDON

During the coming months many potential customers are going to see this new EVANS advertising which will appear in the leading National and Provincial papers and Weekly Magazines. Emphasising fully the importance of the part the Evans Organisation, jointly with the Doctor and Pharmacist, plays in maintaining the nation's health, this advertising is certain to encourage a wider acceptance of all products bearing the Evans name.

will help to sell more

MEDICAL **EVANS** SUPPLIES

EVANS MEDICAL SUPPLIES LTD., LIVERPOOL & LONDON

Makers of fine medical products for 140 years

For HYPODERMIC TABLETS



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Cadbury's

BOURN-VITA

FOR SLEEP — AND ENERGY



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This is zero hour in the battle against colds. Tens of thousands have now started their prophylactic course—many more will follow. Are you prepared to meet this great seasonal demand? At the moment we are adequately stocked to supply you, but later in the season delay may be inevitable. Your early order for Serocalcin will therefore help us and help you. Order NOW!



Make sure
you
ORDER NOW
sufficient
stocks

SEROCALCIN

FOR THE PREVENTION & TREATMENT OF COLDS

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Advertising has created a big demand—customer satisfaction is responsible for recommendation and repeat sales. Urillac is an improved formula for the quick relief of headaches, rheumatism, and all nerve pains. Nationally advertised, sales are increasing by leaps and bounds. To display is to sell on sight.

URILLAC

On the **P.A.T.A.** Protected List.

SOLE DISTRIBUTORS : W. B. CARTWRIGHT LTD., RAWDON, LEEDS

Introducing

RENDELL GELS



Supplies are immediately obtainable from your usual wholesaler at the following P.A.T.A. rates.

Quantities up to 6 dozen tubes at 21/- per dozen net.

Not less than 6 dozen tubes at 20/- per dozen net.

Not less than 12 dozen tubes at 19/- per dozen net.

Standard pack in sealed glass tubes containing 12 Gels.

Retail price 2/6 per tube.
(Exempt from Purchase Tax)

The purpose of introducing RENDELL GELS is not to supersede our world-famous product, but to provide an alternative of equal merit embodying the same active principles, for those who prefer this type of contraceptive. The success of our efforts has been confirmed by clinical and independent laboratory research, and the chemist may offer this new product, when called upon to do so, with absolute confidence.

RENDELL GELS do not contain poisonous or irritating substances and may, therefore, be sold without restriction.

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SINCE

1839**A CEASELESS SERVICE**

by an organisation that specializes in the manufacture of PILLS and TABLETS, and offers the great benefits of LONG EXPERIENCE and exceptional scientific production facilities.

ARTHUR H. COX & CO. LTD. MANUFACTURING CHEMISTS BRIGHTON

Carlton SOAPLESS CONCENTRATE



for NYLON STOCKINGS,
SILKS, WOOLLENS
& all delicate
Fabrics

Pine Fragrant Soap Substitute
NOW in 2 sizes 1/3 & 2/3

Introduce the new, 1/3d.,

Carlton Soapless Concentrate to your
customers and they'll come again . . .
for the larger size! They're quick to
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Rich pine-fragrant suds. Saves soap, most econ-
omical. Doesn't dry skin, leaves it soft. Ensures
gentle cleansing of delicate fabrics. Foams copi-
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- a little goes a long way. Remember, 2 sizes now.

Made by: CARLTON LABORATORIES LTD.

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SPECIAL ANNOUNCEMENT

Croda Limited are proud to announce the introduction of a completely new range of 17 Non-ionic Surface Active Agents—

CRILLS (Nos 1-17)

(Polyol-Esters)

These range from Water-in-Oil to Oil-in-Water Emulsifiers, and include Detergents, Solubilizers and Wetting Agents, which will yield products of a standard previously unobtainable.

Bulk supplies will be available shortly. Meantime, samples and technical information are available for all enquirers.

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MANCHESTER 4.

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'SURE SHIELD'



Products

Due to shortage of supplies, combined with the curtailment of our staff, we wish to assure our many trade friends that we are using every effort to maintain an equitable distribution of our Products.

Please Note

- 1st. All Orders are forwarded in strict rotation, and we are now 15 weeks behindhand in delivery.
- 2nd. Due to the position, all additions can only be treated as separate orders.
- 3rd. When writing with reference to an order on hand, please give exact date when sent on.

"SURE SHIELD"

Registered Trade Mark

IODISED THROAT TABLETS
FRUIT LAXATIVES
GLYCERINE OF THYMOL
PASTILLES

PASTILLES LOZENGES
TABLETS

Thos. Guest & Co. Ltd. *Manufacturing Chemists*
Carruthers Street, Manchester, 4



CUSTOMERS WANT THE LARGE 24/- SIZE *You can order it!*

We are pleased to draw attention to the fact that

5/- and 24/- Bottles of
CURICONES

are always available through all leading wholesalers

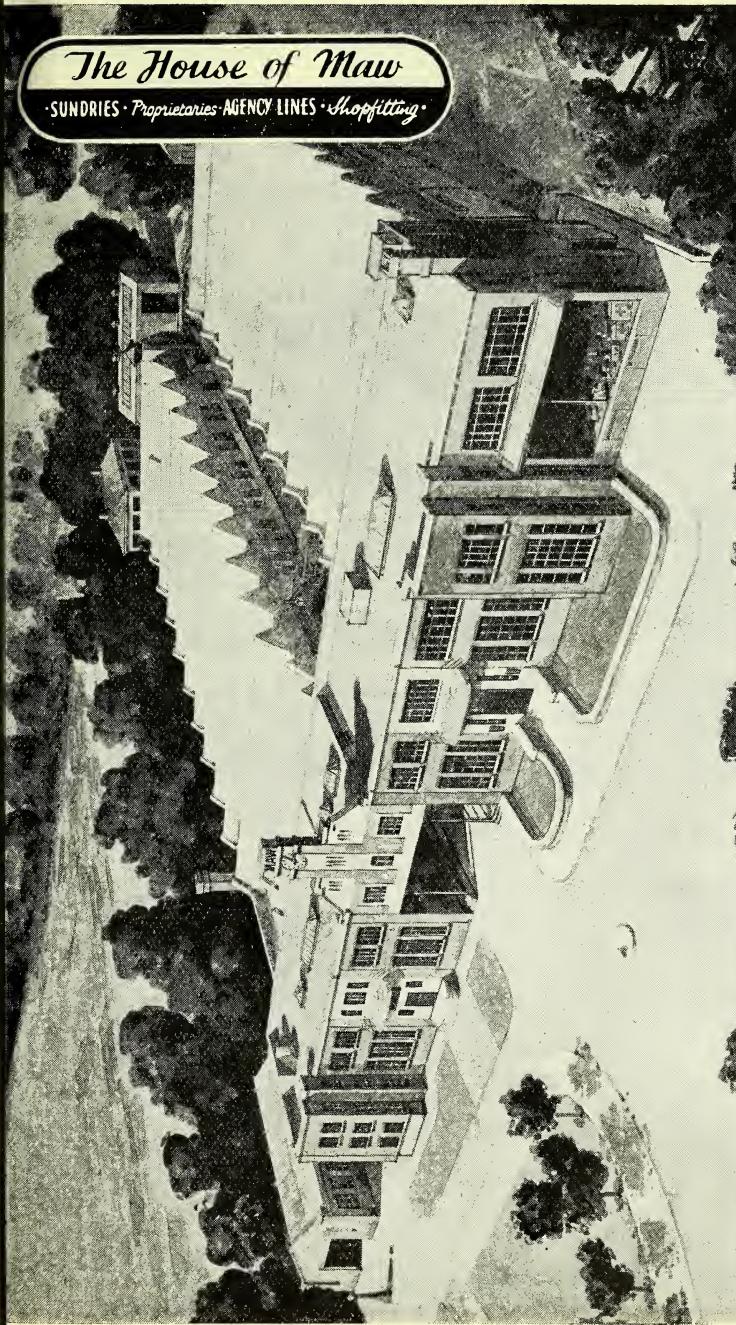
We draw special attention to this because, in recent weeks, many instances have come to light of intending purchasers being informed that these sizes are unobtainable

ORDER THROUGH YOUR USUAL WHOLESALER

CURICONES

For the relief of Rheumatism and kindred troubles

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• **A BUSINESS THAT HAS BEEN GROWING FOR 139 YEARS** •



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and we are in the vanguard—
AN ENTIRELY NEW FLEET
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will accelerate despatch
and delivery in the
greater London area.

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able to extend the
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of our country
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service.

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PATA

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HULL



**Every Cough
is a Call★
for**

KAYS
LINSEED COMPOUND

PATA

★ To enable you to
satisfy more of the
"calls" at your own
counter, preference in
production is given to
the 1/5 size, and supplies
of the 3/5 size may be
intermittent.



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KIRKSTALL HILL
LEEDS

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PACKINGS AND PRICES

80 tablets	3/4 $\frac{1}{2}$
250 tablets	9/6
1000 tablets	30/7 $\frac{1}{2}$

(Including Purchase Tax) P.A.T.A. List

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CHLOROPHYLL TABLETS

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THEY SELL!



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P.A.T.A. retail prices (including P. Tax):
1/3, 3/-, 4/10 $\frac{1}{2}$, 12/-, 21/9.

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Wholesale Chemists & Druggists
MANSEL STREET, SWANSEA
Serving
SOUTH, WEST, and MID-WALES
Supplying
CHEMISTS ONLY

DETTOL BRAND
OINTMENT
HEALING AND ANTISEPTIC

SUN-SPA SALTS

The new
Spa-Treatment-in-the-Home
for rheumatism, lumbago, sciatica, gout,
or just ordinary "tummy" troubles.
Retail in 3d. packets & 1/6 tins

Sole Distributors for the Pharmaceutical Trade—
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SORE THROATS

When the sore-throat season starts, recommend 'Panflavin' tablets for prophylaxis and relief. They are effective because of their euflavine content, palatable on account of the chocolate flavour.

The powerful antiseptic, dissolved in the saliva, has a specifically bactericidal action—and it does not upset the stomach.

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 Box of 30
 1/- net... 1/5 plus 2d. P.T.
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 Bonus of 13 to the dozen
 in return for window or
 counter display.
 Show material available.

'Panflavin'
TRADE MARK
THROAT TABLETS

MADE IN ENGLAND

ORDER YOUR WINTER STOCKS NOW!

ASPIRIN with a REPUTATION

Bayer brand Aspirin maintains its reputation for speed and effectiveness. The customer who takes Bayer Aspirin will come again bringing fresh business. And the profit of 5½d. on each bottle of 25 makes it a very satisfactory line for the pharmacist to buy on our special bonus terms.

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 Bottle of 25x5 gr.
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 Bottle of 100x5 gr.
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 Bonus of 3x25 on mixed
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 to a total value of 24/-.
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 orders for Bayer Aspirin
 to a total value of 48/-.

BAYER
BRAND OF
ASPIRIN

MADE IN ENGLAND

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**Announce New Prices
which come into effect
on 1st October, 1946**

**Trade Margins and Carriage Paid Parcel
Rates remain unaltered**

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HORLICKS No. 1 Bottle	each	per dozen	per dozen	per dozen
	2/6	24/-	22/10	21/7
No. 2 Bottle	4/6	43/2	41/-	38/10
Medical Script Tin	8/6	81/7	77/6	73/5
Horlicks Tablets Pocket Tin	9d	7/2	6/10	6/6

HORLICKS LIMITED, SLOUGH, BUCKS.

SCIENCE WITH PRACTICE

Established 1833

A Still Room at our Wharf Road Work

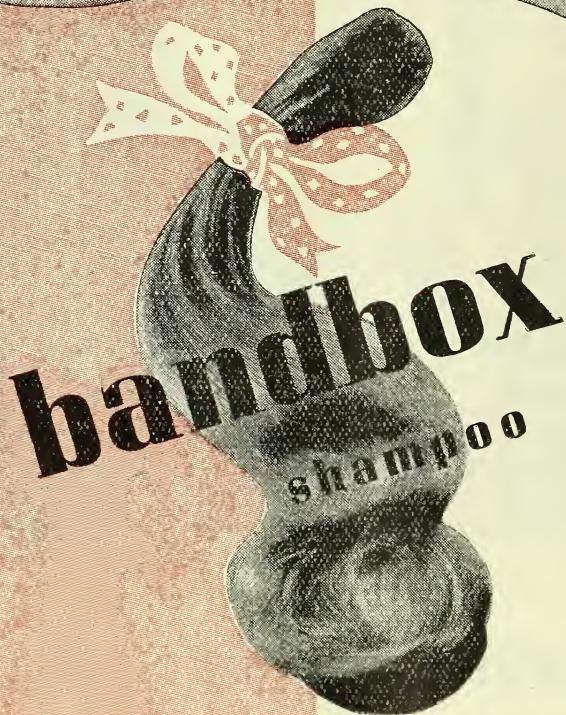
Essential Oils — With many of the essential oils unobtainable or in drastically short supply, manufacturers' problems tend to become acute. We cannot pretend always to solve them, but we can offer you our vast accumulated experience and the service of our experts in producing something to meet your special requirements. It has often been through such service that leading firms have learnt to rely on—

StaffAllenS

STAFFORD ALLEN & SONS, LTD., WHARF ROAD, LONDON, N.1

TAS/AL 121

NATIONALLY ADVERTISED



This is the curl that's causing comment. You—and your customers—will see it advertised in all the leading newspapers . . . it's the new motif for bandbox—the *really scientific soapless shampoo*. Bandbox advertising, strikingly unusual has already won the hearts—and hair—of women throughout the country.

Terms are generous . . . 33% on every sale. Retails at 2/- (4-oz. size), 160/- per gross. 7/6 (16-oz. size), 50/- a dozen. Plus P.T.

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Ashe Laboratories Ltd. 120/22, Victoria St. S.W.1 and at Liverpool and Glasgow

MORE PROFIT FOR THE RETAILER

ON
**Johnson's
 baby
 powder**



OLD TERMS

Trade: 8/4d. a dozen
Retail: 12/- a dozen
 (1/- a tin excluding tax)
Profit: 3/8d. a dozen tins

NEW TERMS

Trade: 10/- a dozen
Retail: 14/6d. a dozen
 (1/2½d. a tin excluding tax)
Profit: 4/6d. a dozen tins

- *Increased profit for retailer*
10^{d.} on a dozen tins

Johnson & Johnson (GT. BRITAIN) LIMITED • SLOUGH & GARGRAVE

LACTATION

PREGNANCY

CHILBLAINS

GROWING
CHILDRENCIRCULATORY
DISORDERSCALCIUM
DEFICIENCY

CALOGEN

Regd.

Brand

T A B L E T S
*containing Calcium,
Phosphorus and Vitamin D*

Bottle of 60 Tablets
Retail 3/4 incl. tax. Trade 2/- tax extra
7½% and 10% on £3 and £5 parcels

A 'GENATOSAN' PRODUCT
GENATOSAN LTD., LOUGHBOROUGH, LEICS.
Telephone Loughborough 2292

**MILLIONS of
advertisements**

**THOUSANDS
of booklets**

**HUNDREDS of
prescriptions**

*have sent
hundreds of
thousands
of bottles of*

MENOPAX

to.....

thousands of chemists to
give benefit to countless
numbers of middle-aged
women resulting in sub-
stantial profit to chemists.

Are you getting your share?

Sole Distributors:

S. MAW, SON & SONS, LTD.

Aldersgate House, NEW BARNET, Herts.

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THE SPEEDY TREATMENT

for COLDS, CATARRH, HAY FEVER

Velocium is a "Chemists Friend" Line and is obtainable through Chemists only.

Velocium is advertised in the National and Provincial Press.

Week in week out sales compelling messages are appearing at popular Cinemas throughout the Country in support of Public demand. Attractive show cards available.



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140 PARK LANE : : : LONDON, W.I.

P.A.T.A.

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JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Rd. N.19.

The VITAMIN
MALT FOOD

With Vitamins (A. 6,500 I.U., D. 400 I.U.)
per fl. oz.

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invite enquiries for processing, also packing of all types. Customers' own material preferred.
THE THREE CROWNS TABLET CO.
(PROP: WILLIAM PEARCE)
21-23-25 DERRINGHAM STREET, HULL

**GROUND
DRIED YEAST**
MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

**LARGE PROFITS
UNRESTRICTED SUPPLIES
SIMPLE MANUFACTURE**
● Make your own brilliant white Haircream with the addition of hot water only to Emulsifier H.C.P. Costs less than 1½d. per oz. Bottles — Labels — Jars — Perfumes — Dyes all available from stocks.
Send stamp for complete price list, formulæ, and SPECIAL OFFER.

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FORTRESS GROVE, KENTISH TOWN
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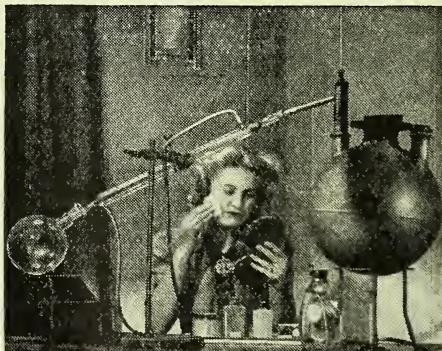
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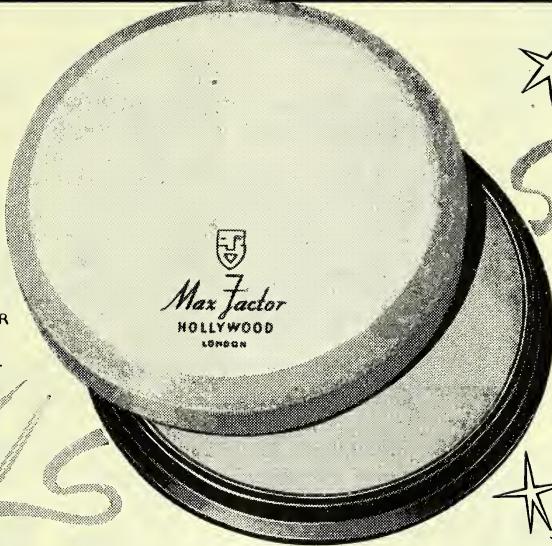
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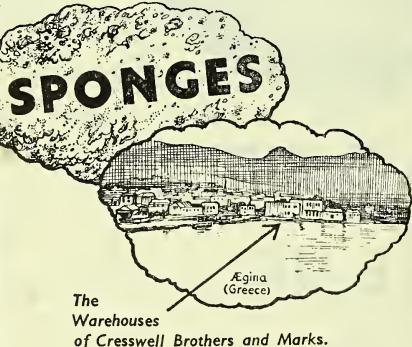
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NEWS OF THE WEEK

U.S. Manufacturers in Britain.—In a survey of American interests in Britain recently made by the New York journal "Business Week", the number of American manufacturers of proprietary medicinal and toilet articles in Britain is given as twenty-six.

Chemical Industry Employment Figures.—According to the latest employment statistics published by the Ministry of Labour, the number of persons at present employed in the chemical and metal industries is 700,000 more than in mid-1939. In the same two industries 405,000 more are employed in the production of goods for export than in mid-1939.

"Chemist and Druggist" Year Book, 1947.—Officers of organisations to whom entries intended for inclusion in *The Chemist and Druggist Year Book, 1947*, have been sent for revision are asked to return them without delay, as difficult conditions of production make necessary a very early date of going to press, and items not received in time involve risk of omission or of appearing with obsolete details.

Unemployed and Development Areas.—Of a total of 254,555 unemployed men of eighteen and over on June 17, 86,000 were general labourers suitable only for light work. The development areas included 41 per cent. of all the wholly unemployed men in Great Britain, but 57½ per cent. of the men unemployed for six months or more. Among those unemployed for more than six months, the development areas included 68 per cent. of those under 21, 59 per cent. of those between 21 and 41, and 56½ per cent. of those between 41 and 65.

Chemical Society Research Fund.—A meeting of the Research Fund Committee of the Chemical Society is being held in November. Persons who have received grants, and whose accounts have not been declared closed by the Council, should send in reports not later than November 1. Applications for grants, to be made on forms obtainable from the secretary, Burlington House, Piccadilly, London, W.1, should be received on or before November 1; applications from Fellows will receive prior consideration. The income arising

from a donation of the Worshipful Company of Goldsmiths is devoted principally to the encouragement of research in inorganic and metallurgical chemistry; income from the Perkin Memorial Fund is applied to investigations relating to problems connected with the coal tar and allied industries.

Birkenhead Association Social.—Birkenhead and Wirral Pharmacists' Association held its annual social at Heswall on September 18. Mr. C. H. Crawford gave a film show which included pictures of various outings of the Association.

Chester Sulphonamide Lecture.—An address was given to Chester Branch of the Pharmaceutical Society on September 17 by Dr. James Hood, M.B., Ch.B., Ph.C., M.B.E. (May & Baker, Ltd.). Dr. Hood's subject was "The Sulphonamides and Penicillin".

"Juvenile Employee" Makes Good.—Lord Morrison, who was recently appointed chairman of the National Juvenile Employment Council and whose intention is "to get to grips with the problem of blind-alley occupations," recently visited his home town of Aberdeen where, at the age of eleven, he started his career by answering a notice "Smart boy wanted" in a pharmacy in Union Street, Aberdeen.

Presentation to Mr. A. R. Melhuish.—A complimentary dinner was given by the committee of the Western (London) Pharmacists' Association to Mr. A. R. Melhuish, Ph.C., and Mrs. Melhuish, on September 17. Tributes to Mr. Melhuish's thirty years of service to pharmacy were paid by Messrs. Frank Noble (president), D. T. Jones, C. A. Noble, B. R. Wilkinson and Clifford Evans. A case of whisky, the gift of the committee, was presented to Mr. Melhuish by Mrs. Frank Noble.

Medical Students on N.H.S.—Over 80 per cent. of favourable replies were received from 37.6 per cent. of members of the British Medical Students Association who responded to a questionnaire sent out recently on the National Health Service. A majority expressed disapproval of the transfer of hospitals to the Ministry of Health and of the allocation of voluntary hospitals' endowments to a new fund for redistribution. Over 60 per cent. of students expressed themselves as willing to work in the service.

Dr. Clitherow in Manchester.—Dr. R. Clitherow, M.P., at a recent meeting of the Manchester Pharmaceutical Association and branches of the Pharmaceutical Society and National Pharmaceutical Union, spoke

on "The National Health Service Bill" and on his proposal for a new craft union for pharmacy (see *C. & D.*, September 21, pp. 371-73). Declaring that pharmacists were underpaid for their professional services, he suggested that a newly qualified manager today should have a commencing salary of £450 per annum, rising to £750.

Music for Birdsgrove House.—A baby grand piano has been presented to the Pharmaceutical Society's convalescent home, Birdsgrove House, by members of the Huddersfield Branch. Mr. J. F. McNeal, representing the Society's Benevolent Fund committee, formally accepted the gift from Mr. C. Thompson (president, Huddersfield Branch), at a ceremony held at Birdsgrove House on September 15. Mr. G. R. Knox Mawer (president, Pharmaceutical Society), was in the chair, and forty members of the Huddersfield Branch were present at the ceremony.

Rheumatism Conference.—A hint at possibilities in treating rheumatism by injection of irradiated blood was thrown out by a speaker at a congress of the Chartered Society of Physiotherapists held in London recently. Blood taken from a patient was irradiated with ultra-violet light, and then injected back into the patient, it was stated. Professor Henry Cohen, Liverpool, said that at least one-fifth of rheumatism sufferers were arthritic, and arthritis was by no means the "hopeless condition" it was often considered to be, 70 per cent. of cases recovering if treated within the first year. A national scheme was called for to tackle the problem of rheumatism.

Streptomycin in Britain.—The Ministry of Supply announces that a number of British firms, with the co-operation of the Ministries of Supply and Health and the Medical Research Council, are to undertake pilot-scale production of streptomycin. It is hoped that preliminary clinical trials will begin before the end of the year. The manufacturers at present concerned are Boots Pure Drug Co., Ltd., the Distillers' Co., Ltd., Glaxo Laboratories, Ltd., and the Heyden Chemical Co. The last-named proposes to produce both penicillin and streptomycin at a factory to be established at Adrossan, Ayrshire, Scotland. Streptomycin is not to be released in this country for general use by the medical profession until the clinical conditions which respond to its administration have been clearly established.

Chemistry Exhibition Plans.—A committee under the chairmanship of Sir Robert

Robertson, F.R.S. (a vice-president of the Chemical Society), is engaged in planning a public exhibition to be held in the Science Museum, London, during July 1947, concurrently with the Society's centenary celebrations and the Eleventh International Congress of Pure and Applied Chemistry. The exhibition will include a historical section illustrating the achievements of British chemists since 1841, and an international exhibition of chemical books and literature. The committee is anxious to learn the whereabouts of specimens or historical apparatus used by British chemists which might be available for the exhibition, and ask that any information or offers of help should be sent to the Secretary, Joint Exhibition Committee, c/o the Chemical Society, Burlington House, London, W.1.

Manchester Golf.—The Manchester Chemists' Golfing Society held its last meeting of the season at Romiley Golf Club on September 18, when the captain's team beat the president's team. At a dinner held in the evening to celebrate the twenty-fifth anniversary of the foundation of the Society, the following founder members were present: Messrs. J. H. Franklin (president), J. W. Aves, J. A. Collins, E. N. Fox, and T. Miller. Mr. Collins (first captain of the Society) presented prizes won during the season. Prizewinners were as follows:—Hough, Hoseason prize, 1, Mr. J. Taylor; 2, Mr. R. Demaine; captain's prize, 1, Mr. H. Brindle; 2, Mr. C. Macartney; Ucal trophy, 1, Mr. C. Stenson; 2, Mr. W. E. Phillipson; Woolley trophy, 1, Mr. C. L. Compson; 2, Mr. C. Malthouse; Robinson trophy (four-ball), 1, Messrs. C. Finney and W. Hall; 2, Messrs. F. C. Baines and Stevenson; Griffiths Hughes prize, 1, Mr. P. W. Stuart; 2, Mr. A. E. Stubbs; Kerfoot trophy, 1, Mr. S. D. Andrew; 2, Mr. A. E. Stubbs; best card in final match, Mr. A. D. Macdonald. A presentation was made to each of the founder members by Mr. R. Demaine (captain). Mr. S. D. Andrew was elected captain for the 1947 season.

Token Imports.—The Board of Trade recently announced that arrangements had been made for token imports from Canada, the United States, Belgium and Switzerland and covering a specified list of goods. At the request of the overseas Governments concerned, this list has now been extended to include the goods set out below (only those items of interest to the drug trade are given). Until the end of 1946 the individual overseas manufacturer will be able to ship to this country the goods in this sup-

plementary list to the extent of two-thirds of the quota of 20 per cent. for the calendar year, i.e., 13½ per cent. of his average pre-war trade in these goods with the United Kingdom: Photographic plates, photographic paper and cloth, unexposed (sensitised), photographic coated paper (not sensitised), athletes' supporters, rubber bathing caps and rubber hot water bottles. Applications for licences to import these additional goods from the overseas countries already announced as participating in token imports arrangements will be considered only when accompanied by the appropriate evidence issued under the authority of the overseas Governments concerned to identify the goods which are the subject of the application with the output of the specified overseas manufacturer. Such evidence should be applied for by the overseas manufacturer of the goods or by his export agent, and when obtained, it should be sent to the importer in the United Kingdom who will then apply for the import licence. Applications for import licences cannot be considered until the Import Licensing Department receives the requisite evidence issued by the overseas authorities. The new procedure does not affect applications for import licences for goods not included in the list of items subject to token import arrangements.

Two-day Conference on Export.—At a two-day conference on export organised by the Federation of British Industries and to be held in the Central Hall, London, on November 27 and 28, the opener will be Sir Clive Baillieu (president of the Federation) and the conference will be presided over by Mr. Leslie Gamage (a member of the Federation's Grand Council, president of the Institute of Export, and chairman of the British Export Trade Research Organisation). Sir Stafford Cripps (President of the Board of Trade) will speak at the opening session on the significance of exports to the national life; Mr. Leslie Gamage will outline the objectives of the Conference and Mr. S. M. Bruce, F.R.S. (formerly High Commissioner for Australia in London) will speak on British exports from the Dominions' point of view. The subject of the second session of the Conference is "The Functions of Government and of Industry in relation to the Export Trade," the principal speakers being Sir John Woods (Permanent Secretary to the Board of Trade) and Sir Norman V. Kipping (Director-General of the Federation of British Industries). At the morning session on the second day the subject will be "Production

for Export and its Relationship to Production for the Home Market," and the speakers are Lieutenant-Colonel H. B. Rigall (a member of the Federation's Grand Council and president of the British Engineers' Association) and Mr. E. W. Goodall (a member of the Federation's Grand Council and chairman, Furnishing Fabric

Export Group). "Export Selling" is the subject of the final session, when the merchant's selling methods will be discussed by Mr. E. A. Carpenter (vice-president, Manchester Chamber of Commerce) and the manufacturer's selling methods by S. Frederick Bain (deputy-president of the Federation).

IRISH NEWS

Irish Chemists' Golf.—The Irish Chemists' Golfing Society held a tournament at Howth Golf Club on September 11, for trophies presented by P. C. Cahill & Co., Ltd., and Irish Pharmaceuticals, Ltd. The first game, a 16-holes strokes, was won by Mr. B. R. Smith (7), with 60. The runner-up was Mr. E. Massey (15), with 63. In the bogey game which followed, the winner was Mr. D. J. Bridgeman (13), 1 down, with Mr. M. Costelloe (8), second, 3 down. At the supper which followed, the captain (Mr. A. W. Hughes) presided, and prizes were presented by Mr. John Holland on behalf of Messrs. Cahill, and by Mr. S. McAuley on behalf of Irish Pharmaceuticals, Ltd. A vote of thanks to the donors was proposed by Mr. Smith and seconded by Mr. Massey. The final outing of the season will be held at Elm Park Golf Club on October 9.

Ulster Associates Memorandum.—The Ulster Chemists' Association has circulated to each of its members a copy of a memorandum (see *C. & D.*, September 21, p. 375) which gives information on the status and objects of the Associates' Section, in order to bring about a fuller co-operation between members and associates. The objects of the Section, as laid down in rules adopted by the U.C.A. executive committee on November 30, 1943, are as follows:—(a) To raise the status of those employed in pharmacy; (b) to form a representative body of employees in pharmacy; (c) to appoint representatives who will discuss from time to time with representatives of the members of the Association, appointed by the Executive Committee, in a Joint Council, matters of mutual interest to members and associates and to make agreements on behalf of associates concerning all such matters including wages, hours and conditions of employment; (d) to co-operate with members in achieving the objects of members and associates; (e) to promote social intercourse among associates; (f) to make financial provision by way of mutual

insurance, a benevolent fund or other means for the advantage of associates who become unemployed, incapacitated by illness or indigent; (g) to promote interest among associates in current trade affairs; (h) to perform such other functions as may be useful to associates in their capacity as pharmaceutical employees. The advantage to employers and employees alike of having an Associates' Section within the U.C.A. has been realised fully by members and associates who have met in the Joint Council. The Joint Council includes four representatives each from the executive committee and the associates' committee and meets as occasion requires. The earlier meetings were concerned mainly with questions of wages, hours and conditions of employment. Mutual and unanimous agreement was reached on all points. The executive committee of the U.C.A. asks its members to make it known to all employees that they are perfectly free to join the Associates' Section, which is making a special effort to enrol all eligible employees as members.

Eire Council Election.—Eight candidates have been nominated for the seven vacancies on the Council of the Pharmaceutical Society of Ireland. In addition to the seven Council-members who complete their term of office in October and who are going forward for re-election (see *C. & D.* September 21, p. 355), Dr. Michael O'Donnell, L.A.H., M.P.S.I., Castle Street Dispensary, Dublin, has been nominated. Dr. O'Donnell is representing the interests of the Compounders' Association, of which he is the chairman. Other members of the Compounders' Association at present on the Council include Messrs. J. K. Whelehan (president), J. P. Kissane, M. Costelloe and F. Loughman, T. D. Dr. O'Donnell was nominated by Mr. P. J. Hickey, M.P.S.I., Thurles, and seconded by Mr. J. W. O'Gorman, M.P.S.I., Dublin. Voting papers, under the new regulation, must be returned to the Society not later than first post on Monday, October 7.

TOPICAL REFLECTIONS

Hard Bargaining

Your editorial article on National Health Insurance remuneration (p. 369) suggests more than appears on the surface; and the letter of Mr. A. Wallis on p. 377 calls attention to the same record of inadequate payment. The table you have printed on p. 369 shows at a glance the relative positions of doctors, dentists and pharmacists in reference to their 1939 scales of fees. Panel chemists are not so ignorant as to suppose that, because one body of contractors receives payment at the rate of 39 per cent. more than in 1939, and another is offered payment amounting to 41 per cent. more, they, the chemists, must claim one or other of these increases in place of their present sum. Each class stands by itself, and it may turn out that the chemists will be justified in asking for a larger addition than either doctors or dentists. This is a case for the accurate study of statistics, which is, I trust, already in hand. No useful purpose would be served by attempting to draw a detailed parallel with real experience of the working of the first National Health Insurance Act. Those, however, who remember the Local Associations conferences of 1915 and 1916 will agree with me that grievous disappointments were encountered, and that the frequent disputes with the administrative authority were highly irritating. The system known as discounting should never have been introduced. Mention of the experience may suffice to remind our negotiators that they must expect hard bargaining when they apply for a revision of the present terms of N.H.I. contract.

The Obliging Chemist

"Sidelines" (p. 370) has a lightness of touch that increases one's enjoyment of its subject. Not in France alone is the pharmacist "always an intelligent, obliging and informative man." In our country he merits this praise the more because he has much to put up with. Not only has the standard of doctors' writing (in Scotland, at any rate) "steadily deteriorated during and since the war years" (p. 376), but this worry is matched or outclassed by the dictum of Mr. E. O. Hoppé (p. 375) that it is "difficult to say whether a photographer stood above a dentist or a pharmacist." The same ruthless critic drags in for comparison a doctor and a stockbroker. Medical practitioners have usually, as your Educational

Numbers have occasionally informed us, a social standing of an enviable kind; and stockbrokers have been known to live in a sumptuous style to which even medical men do not often attain. The British pharmacist must apparently be content to rub shoulders with a photographer or a dentist, leaving the question of precedence open. His rôle is to be intelligent, obliging and informative. The emphasis among these epithets is, I think, on "obliging," judging from scraps of conversation remembered over a long period. Sometimes the pharmacist has to put his foot down. I remember a customer being much offended, fifty years or so ago, when his chemist declined to cauterise a dog bite (on the ground that it was too long after the mishap to expect much result from the process). In the sequel, a worldly-wise surgeon applied the desired cautery.

Harley Street

A recent sarcasm on Harley Street consultants (p. 373) serves as a reminder that the preponderance of medical specialists in this and certain neighbouring streets is a comparatively modern development. Cavendish Square, the "hub" of the area, was laid out about the year 1717; but the filling of it and the surrounding space with houses was a lengthy operation. In 1754 Harley Street was depicted as extending only a very short distance from the north-west corner of the square. This and most of the other contiguous streets were, like the square itself, named after Robert Harley, Earl of Oxford, and some of his relatives. A lengthy list of distinguished inhabitants of Harley Street might be compiled without including any medical men. It would comprise, among others, Lyell, the geologist, Gladstone, Sir John Herschell (Master of the Mint and son of the astronomer Sir William Herschell), Sir Francis Jeune, and two famous painters, Allan Ramsay and Sir William Beechey. In the last years of Queen Victoria's reign the district became so attractive to consultants that many lived in the square and in streets adjoining or near it—Wimpole Street, Welbeck Street, Queen Anne Street and others. A few years ago a correspondent of one of the medical journals, who lived in the Cavendish Square area, wrote that, on leaving a house where he had been unable to give a very hopeful prognosis, he overheard one member of the household say, "We had better have a man from Harley Street."

Xrayser

DAMAGES AGAINST INSECTICIDE MAKERS

At Kingston-on-Thames county court, on September 6, Montague Wilson, trading as Merrybark Kennels, 4 Park Road, Kingston Hill, sued Rentokil, Ltd., 168-70 Stockwell Road, London, S.W.9, manufacturers of Rentokil insecticide, for £60 damages for breach of duty and agreement. For the plaintiff it was stated that Mr. Wilson, who kept sixty to seventy dogs, bought a 7-lb. tin of Rentokil in July 1945. It had a label marked "R.I.P. pets powder. Clean and pleasant to handle and absolutely harmless to men and animals," but no instructions were given. On October 27 Wilson received from Wales eleven puppies, for which he paid £43. Four of them were sold before November 7, on which day, finding that they had fleas and parasites, he applied Rentokil. One puppy was afterwards sold. Within three hours the remaining puppies became ill and died, and the one sold died while being taken home. Mr. Wilson gave evidence that the puppies were healthy until Rentokil was applied.

Wilson said he had had twenty years' experience in selling dogs. He denied having told the company's managing director that several dogs had died from the use of various powders. He had never had dogs die previously from use of insect powders. Two puppies not treated with the preparation were unaffected.

Death from Asphyxia

A veterinary surgeon said he had examined one of the dead puppies and had formed the opinion that death was from poisoning of an asphyxial type that had acted on the nervous system. There was no evidence of ptomaine poisoning.

For the defendants, Dr. Norman E. Hickin, Bletchingly (general manager and entomologist to the company), said that, when Mr. Wilson applied for the powder, he sent a chemist to give a demonstration. On return the chemist gave him some hairs on which he found more dog-biting lice than he had ever seen before in one spot, and a large number of other insects not associated with dog insects. These he found to be book lice. He had never previously found book lice present with dog lice. He estimated the powder used from Mr. Wilson's tin to be over 2 lb., whereas 3-4 oz. would have been sufficient.

The Judge: Is it dangerous to use too much?—It would be dangerous to use too much of any innocuous powder on these or any young puppies at the weaning age.

Asked how he could account for the deaths of the puppies, Dr. Hickin replied: Too much powder had been taken into the respiratory tract and the membrane openings.

He had never before received a complaint, and tests had been carried out with the same powder on a guinea pig, which was still alive. Mr. Ernest L. D. Robbins (works chemist) said Mrs. Wilson had stated that at times puppies were put into a tea chest to economise in powder so that it could be used again. He pointed out to her the danger of this procedure, as the powder would be inhaled by the puppies.

Judgment for Plaintiff

Giving judgment for the plaintiff, the Judge said he did not approach the case as a question of negligence, because it was dependent on the Sale of Goods Act. He believed Dr. Hickin when he said that a large quantity of the powder had been used with impunity, but it might not always have been used with impunity, although no complaints had reached him.

"With ordinary use on domestic animals I have little doubt it is a very safe thing," said the Judge.

"What are the duties of Rentokil? Their duties are perfectly clear. They must not put something in the hand of the public as absolutely harmless if it is only so if used in a particular way. They say nothing of quantities and I do not find any warning given to Mr. Wilson by Robbins as to quantities to be used. I do not find any negligence on the part of Mr. and Mrs. Wilson in the way they used it. I think it is quite likely they used more than necessary and I find it quite likely they may have used some on other occasions without harm. There is a breach of the Sale of Goods Act and plaintiff is entitled to damages. Evidence showed one puppy was sold for £7 7s., so there will be £51 9s. damages with costs."

Barbitone Overdose.—At an inquest on a sixteen-year-old girl at Nottingham recently, a verdict was recorded that death was due to an overdose of barbitone, with insufficient evidence to show the circumstances. The girl's mother gave evidence that her daughter had been attending a hospital for epileptic fits, and had received tablets which she was required to take daily. A younger sister had been told that the girl had taken all the tablets; three empty bottles were found on the sideboard.

BIRTH

ATTWOOLL.—At Elphis, Lower Mount Street, Dublin, on September 13, Kathleen, the wife of Ernest Dawson Attwooll, Ph.C., 16 Cremore Road, Glasnevin, Dublin, of a son.

MARRIAGES

BEIRNE—FERNS.—In Dublin recently, Niall Brendan Beirne, M.P.S.I., Piercetown Lodge, Newbridge, co. Kildare, Eire, to Mary Francis Ferns, Dublin.

NELSON—FORRESTER.—At the Church of St. Michael and All Angels, Mill Hill, London, N.W.7, on September 19, Lieutenant Robert Nelson, U.S. Army, to Jean Sylvia Forrester, only daughter of Mr. and Mrs. George P. Forrester, 17 Uphill Road, Mill Hill, London, N.W.7.

DEATHS

BARKAS.—On September 7, Mr. John Sydney Barkas, M.F.S., 108 Mount Street, Mayfair, London, W.1, aged sixty-four.

BARRS.—On September 15, after a long illness, Mr. Percy Barrs, 106 Kensington Church Street, London, W.8, aged sixty-two. Educated at the Hulme grammar school, Manchester, Mr. Barrs served his apprenticeship with Mr. W. A. Senior, Scarborough, and qualified in 1911. In the same year he acquired the business at Church Street, Kensington, which he carried on until recently. He was a member of the Kensington borough council.

DAVIES.—On September 12, Mr. David Augustus Davies, M.P.S., 2 Market Street, Newport, Pembroke, aged sixty-nine.

DIDSBURY.—Formerly reported missing, now officially presumed killed in action in October 1943, Sergeant Sidney Roland Didsbury, 22 Linacre Road, Litherland, Liverpool, 21. Sergeant Didsbury qualified in 1934.

EDEN.—At Thurlestone, Devon, on September 22, Mr. Thomas Watts Eden, consulting obstetric surgeon at the Charing Cross and Queen Charlotte's hospitals, London, and Chelsea Hospital for Women, a past-president of the Royal Society of Medicine, a former editor of the "Journal of Obstetrics and Gynaecology," and the author of several medical works of reference, including "Gynaecology."

FROST.—At his residence, Gaisford, Bulkington Avenue, Worthing, Sussex, on September 20, Mr. W. T. Frost, J.P., formerly of the Bridge Pharmacy, Wor-

thing, aged eighty. Mr. Frost qualified as a chemist and druggist in 1902 and took over the business established by his late father in 1866. For two years he was mayor of Worthing.

HARWOOD.—On September 22, Mr. Mitchell Harwood, Heatherby, Preston New Road, Blackburn, aged sixty-nine. Mr. Harwood was principal of Harwood & Co., wholesale druggists, Darwen, a business he founded in 1899. He is survived by a widow and one son.

HIPPISON.—On September 9, Mr. Charles William White Hipperson, M.P.S., Leighside, Tavenham, Norwich. Mr. Hipperson qualified in 1900.

HOUNAM.—At an Edinburgh nursing home, on September 15, Mr. Christopher Hounam, Market Place, Duns, Berwickshire. Mr. Hounam qualified as a chemist and druggist in 1890.

WARNER.—On August 28, Mr. Clifford Warner, M.P.S., 4 Rauceby Terrace, Lincoln, aged thirty-one.

WIDDOWSON.—Previously reported missing, now officially presumed killed in air operations on December 20, 1944, Mr. Thomas Ingram Widdowson, M.P.S., High Street, Berkeley, Glos. Mr. Widdowson qualified in 1940.

YOUNG.—Formerly reported missing, now officially presumed killed in air operations in March 1944, Mr. George Thomas Young, M.P.S., 33 Artillery Road, Guildford, Surrey. Mr. Young qualified in 1936.

WILLS

MR. HAROLD FREDERICK ILLINGWORTH, M.P.S., 2 Grange Avenue, Harrogate, left £20,643, with net personality £2,002.

MR. WILLIAM TANNER BOLWELL, M.P.S., Cornfield Cottage, Portsmouth Road, Ripley, Surrey, left £1,580, with net personality £912.

MR. JAMES PURCELL EDMED KEEBLE, M.P.S., 29 Market Place, Halesworth, Suffolk, left £2,333, with net personality £809.

MR. CHARLES DICKINSON, M.P.S., 44 Bramley Hill, Croydon, Surrey, and 119 South End, Croydon, left £10,222, with net personality £8,032.

MR. GEORGE STACEY ALBRIGHT, C.B.E., Bromesberrow Place, Bromesberrow, Glos, a former director of Albright & Wilson, Ltd., left £507,973, with net personality £445,311.

TRADE NOTES

Five-day Week.—H. & T. Kirby & Co., Ltd., manufacturing chemists, Willesden Green, London, N.W.2, have instituted a five-day week at their offices and works.

New Prices.—Horlicks, Ltd., Slough, Bucks, announce new prices operative from October 1 for Horlicks' malted milk and tablets in bottles and tins.

Penicillin Flown to Egypt.—A consignment of 1½ tons of penicillin in 30,000 vials was flown to Cairo, Egypt, recently by Hirst, Brooke & Hirst, Ltd., Sheepscar, Leeds.

Refills Discontinued.—Max Factor (Hollywood & London) Sales, Ltd., announce that their Pan-cake make-up is now available in original containers. The refills are discontinued.

Autumn Holiday.—The office and warehouse of T. & H. Smith, Ltd., 32 Virginia Street, Glasgow, C.1, will be closed on Saturday, September 28 and Monday, September 30.

Widely Advertised.—Emmet Distributing Co., Ltd., 140 Park Lane, London, W.1, are advertising widely in the national and provincial Press and in the cinemas their product Velocium for colds, catarrh and hay fever. Show material is available.

Display Competition Results.—The results of a window display competition, in which the first prize was £21, recently organised by D. McDermott (Insecticides), Ltd., Percival Lane, Runcorn, are given on another page.

Sole Agency.—Lax-Vita, Ltd., manufacturing chemists, 66 Victoria Street, London, S.W.1, have been appointed sole selling agents in the home and export markets for Wunda-Wash soapless washing powder and Bromiltone soapless shampoo.

Penicillin Injections in Derby.—Mr. Francis Orrell, M.P.S., 126 Kedleston Road, Derby, is the holder of a Therapeutic Substances Act licence for the preparation of penicillin injections, and offers to prepare and deliver such injections to other pharmacists in the district, at short notice.

New Terms Give Higher Margins.—Johnson & Johnson (Great Britain), Ltd., Slough and Gargrave, announce that greater profit accrues to the retailer from new terms which have been introduced for Johnson's baby powder. Details are given elsewhere in this issue.

Widely Advertised Baby Soap.—T. F. Bristow & Co., Ltd., Old Bond Street, Lon-

don, W.1, are carrying out an extensive advertising campaign for Bristow's baby soap, for which advertisements in black and white and colour are appearing in numerous illustrated and women's weekly publications.

Soapless Concentrate.—A soapless concentrate suitable for use with Nylon stockings, silks, woollens and delicate fabrics is available from Carlton Laboratories, Ltd., 1-5 Joiners' Arms Yard, London, S.E.5. The preparation is available in bottles of two sizes.

Pills, Capsules and Tablets.—Howard, Lloyd & Co., Ltd., manufacturing chemists, Leicester, offer an experience of over fifty years in specialised manufacturing to chemists requiring pills, capsules and tablets made to their own formulas. Home and overseas inquiries are equally welcome.

Calcium, Phosphorus and Vitamin D.—Genatosen, Ltd., Loughborough, Leicestershire issue a tablet containing calcium, phosphorus and vitamin D in bottles of sixty. The preparation is known as Calogen, and terms are given on another page in this issue.

Lozenges in Bulk.—Verva, Ltd., High Path, Merton, London, S.W.19, announce that they are now in a position to supply Merton Brompton lozenges and Merton mint tablets either packed or in bulk, on generous terms. The tablets are available either from wholesalers or direct.

C.F. Display Stand.—Chemists are reminded that applications for a C.F. display stand as illustrated in the *C. & D.*, August 17, p. 201, should be sent in at once to the Chemists' Friends Association, 4-5 Queen Square, London, W.C.2, otherwise it may not be possible to guarantee early supply.

Supplies Again Available.—Bengue & Co., Ltd., Mount Pleasant, Alperton, Middlesex, announce that supplies are again available of Lipiodol (Lafay) and Guipsine pills, and that the supply position of Pulmo Bailly, Agocholine and Passiorine is now normal.

Not a Price List.—Monsanto Chemicals, Ltd., Victoria Station House, Victoria Street, London, S.W.1, point out that the booklet "Concise List of Monsanto Products" to which reference was made recently in these columns is not a price list. No price list is issued by the company.

Ready Shortly.—Antiseptic Products, Ltd., and Afkap Laboratories, 105 Tonbridge Road, Maidstone, Kent, are shortly introducing, under the trade name Pedees,

n antiseptic dusting powder, an antiseptic skin balm and antiseptic foot tablets. Other specialities of the company are listed in an advertisement elsewhere in this issue.

Closed on Saturdays.—Sharpe & Dohme, Ltd., Hoddesdon, Herts, announce that a ve-day working week has been inaugurated at the company's offices and laboratories. Urgent inquiries for the company's pharmaceutical and biological products may be addressed on Saturdays and Sundays to John Bell & Croyden, 50 Wigmore Street, London, W.1.

For Current Delivery.—L. Joseph (rubber moulding department) Regent House, 20 Cannon Street, Manchester, 4, state that, while the whole output of bathing caps for January-August 1947 has been sold for export, supplies are available for present delivery or for delivery during the next four months, at a price which is being maintained until September 1, 1947.

Accelerated Deliveries.—C. R. Harker, Tagg & Morgan, Ltd., Emmott Street, London, E.1, have put into commission an entirely new fleet of delivery vans. In addition to accelerating dispatch and delivery in the greater London area, they are extending the scope and range of their country delivery service. Immediate attention will be given to any order placed with the company, whether through its representatives, by post, or by telephone.

Application for Minor Burns.—Abbott Laboratories (England), Ltd., Wadsworth Road, Perivale, Middlesex, direct attention to their speciality Butesin picrate ointment, the anaesthetic and analgesic value of which, they claim, is so pronounced that intense pain speedily subsides after application to minor burns; subsequent infection is generally eliminated. The preparation is available in 1-oz. and 2-oz. tubes and 1-lb. and 5-lb. jars.

Bottle Shortage Again.—The makers of Pineate honey cough-syrup (the International Chemical Co., Ltd., Clifton House, Euston Road, London, N.W.1) state that they are unable at present to meet the demand for Pineate syrup owing principally to the continued shortage of containers. They are taking all possible steps to ensure that so far as possible distributors will receive a fair quota of the supplies available. Trade terms are given on another page.

Courses in Pharmacy.—The prospectus of the fifty-sixth session of the Derby Technical College includes details of courses leading to the Intermediate examination of the Pharmaceutical Society. Copies may be

obtained from the principal.—The Sunderland Technical College has organised a four-week full-time refresher course for demobilised pharmacists, to take place at the School of Pharmacy of the College from October 8 to November 2.

Careers at the B.D.H.—A sixteen-page booklet "Careers and Opportunities for Youth at the B.D.H." has been issued by The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, as a successor to a previous booklet, "B.D.H. Training Scheme". The new booklet gives, in greater detail, information regarding that part of the company's scheme which is concerned with training juveniles; it is well illustrated and should prove attractive and informative to boys and girls leaving school.

Penicillin Solution Tablets.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce the introduction of penicillin solution tablets, A. & H. (calcium salt) each tablet containing 12,500 international units. The tablets are for use in preparations of penicillin for external application only. They are slowly but completely soluble in water, and should prove useful to pharmacists in preparing small quantities of penicillin cream, eye-drops, nasal sprays, etc., eliminating waste and saving time taken in calculation. Penicillin solution tablets, A. & H. (calcium salt) are supplied in tubes of eight tablets. When stored below 15°C. they retain their potency for twelve months.

Soluble Sulphonamides.—A list of sulphonamides given in THE CHEMIST AND DRUGGIST, September 14, p. 336-37 should be supplemented by inclusion of sulphacetamide and its soluble compound sodium sulphacetamide. The former is prepared by substitution of the para amino group by an acetyl radicle, yielding a less toxic substance which is only slowly inactivated *in vivo*. The second compound is readily soluble to the extent of 50 per cent. in water, and its solutions are non-irritating and nearly neutral. Sulphacetamide is available as Albucid and the soluble compound as Albucid soluble in eye-drops, nasopharyngeal solution, soluble burn and wound dressing, and soluble dental cerate, as well as in the preparation Dermucid to which reference was made in these columns recently. All are made by British Schering, Ltd., 167 Great Portland Street, London, W.1.

Proprietary Articles Trade

Association

Alterations to Protected List.—Macleans, Ltd., increased prices, October 1: Macleans peroxide tooth-paste, 8s. 9d. doz., tax 2s. 11d. doz., inclusive retail price 1s. 3d. Macleans peroxide solid dentifrice, 5s. 5d. doz., tax 1s. 9½d., i.r.p. 9d.

COMPANY NEWS

BRITISH AMERICAN KELP CO., LTD. (P.C.)—Capital £50,000. To collect, treat and market marine and vegetable matter, etc. First directors are to be appointed. R.O.: 4 Moorgate, London, E.C.2.

MACLENNAN BRAND PRODUCTS LTD. (P.C.)—Capital £20,000. To acquire the business of a patent medicine proprietor carried on by Malcolm R. MacLennan, at 9 Montrell Road, London, S.W.2. Malcolm R. MacLennan is the governing director. R.O.: 136 Clapham Road, London, S.W.9.

S. SIMMONDS, LTD. (P.C.)—Capital £500. To carry on the business of pharmacists, etc. S. Simmonds, and Mrs. M. Simmonds, both of 14 Station Road, Biggleswade; and E. Jones, 39 Ravensdale Avenue, London, N.12, directors. R.O.: 2 Hallswelle Parade, Finchley Road, London, N.W.11.

BEST PAX, LTD. (P.C.)—Capital £2,000. To carry on the business of manufacturing and general chemists, opticians, chemists' and opticians' sundriesmen, photographers, etc. Nathan Davis, Brenda Davis and Tilley Davis, all of 37 Rushton Road, Cobridge, Stoke-on-Trent, directors. R.O.: 37 Rushton Road, Cobridge, Stoke-on-Trent.

KENT LABORATORIES, LTD. (P.C.)—Capital £100. To carry on the business of manufacturing and general chemists, opticians, chemists' and opticians' sundriesmen, etc. Donald Glass, 20 Blackland Road, London, S.E.6; Mrs. V. E. A. Wilmin, 189 Oxford Street, Rugby; and Miss J. Penn, 82 Meadville Road, London, W.5, directors. R.O.: 2-5 Old Bond Street, London, W.1.

LANE & FOOT, LTD. (P.C.)—Capital £1,000. To carry on the business of wholesale and retail consulting, analytical, manufacturing, pharmaceutical and general chemists, druggists, hairdressers' sundriesmen, opticians, etc. D. Moffat, and Mrs. Coral D. Moffat, both of 14 Walpole Road, London, N.17, directors. R.O.: 195 Seven Sisters Road, London, N.4.

WAX PRODUCTS, LTD. (P.C.)—Capital £1,000. To carry on the business of chemists, druggists, dyers, manufacturers of and dealers in natural and synthetic waxes, oils, paints, proprietary articles, etc. Dennis C. Westbury, 55 Gunnersbury Avenue, London, W.5, and Leonard G. Parsons, 49 Priory Gardens, Hanger Lane, London, W.5, directors. R.O.: 158-168 Kensal Road, London, W.10.

TAYLOR'S ANIMAL FOODS & MEDICINES, LTD. (P.C.)—Capital £1,000. To carry on business of manufacturers of and dealers in feeding preparations and foods of all kinds for animals, birds and pets, medicines, etc. Mrs. Grace L. Taylor, 10 Rolleston Drive, Nottingham (permanent), and Maurice E. Mellor, 348 Meadow Lane, Nottingham, directors. R.O.: Canning Circus, Nottingham.

W. L. BRAY, LTD. (P.C.)—Capital £500. To acquire the business of a dispensing chemist and optician carried on by Mrs. Gladys M. Bray, at Buckfastleigh, Devon. Mrs. Gladys M. Bray, The Pharmacy, Fore-Street, Buckfastleigh (permanent), and Arthur Handley, 18 Headland Park Road, Preston, Paignton, directors. R.O.: The Pharmacy, Fore Street, Buckfastleigh.

TILSA SALES, LTD. (P.C.)—Capital £100. To carry on the business of chemists and druggists, opticians, etc. David F. Brand and Douglas C. Cocks, both of 3 Lloyds Avenue, London, E.C.3; George Taylor, Emley Woodhouse, Emley, nr. Huddersfield, and Thomas Briggs, Kirk Vale, Kirkheaton, Huddersfield, directors. R.O.: 1 Rangoon Street, London, E.C.3.

CLEANRITE, LTD. (P.C.)—Capital £1,000. To carry on business of drysalters, oil and colour men, manufacturers, factors and distributors of and dealers in solvents, bleaches, oils, liquid soap oils, disinfectants, etc. Harold Wright and Mrs. Mary E. Wright, both of "Moorfield," Garstang Road East, Poulton le Fylde, Lancs, directors. R.O.: 184 Oldham Road, New Cross, Manchester, 4.

ESELEM, LTD. (P.C.)—Capital £2,000. To carry on business of wholesale warehousemen and merchants, manufacturers of and dealers in smallwares, chemists' and druggists' sundries and fancy goods, etc. Solomon Leon and Mrs. Evelyn Leon, both of 96 Park Roal, Prestwich, Lancs, and Harold Allenby, 17 Agecroft Road West, Prestwich, Lancs, directors. R.O.: 160 Oldham Road, Manchester, 4.

CATFORD TOILET SUPPLIES, LTD. (P.C.)—Capital £2,000. To acquire the business of hairdressers' and chemists' sundriesmen, and manufacturers of toilet preparations, carried on by Leonard C. White and Eileen E. White at 127 Catford Hill, Catford, London, S.E.6. Leonard C. White and Eileen E. White, both of 127 Catford Hill, London, S.E.6, directors. R.O.: 127 Catford Hill, Catford, London, S.E.6.

PERSONALITIES

MR. F. C. BESELL, M.P.S., 205 Milton Road, Weston-super-Mare, is a candidate for the Milton and Worle ward in the Council elections due to take place in November.

MR. THOMAS HARPER, a director of R.A. Cripps & Son, Ltd., manufacturing chemists, Hove, gave an address to the Hove Rotary Club recently on his business activities.

MR. ROY STUTTARD, M.P.S., 5 Market Place, Poulton-le-Fylde, Lancs, is shortly to be made a freeman of the City of London as a member of the Spectacle Makers' Company.

MR. GRANVILLE SHAW, Ph.C. (a member of the Pharmaceutical Society's Council), was invested with the rank of Pr. G.A.D.C. at a meeting of Notts Provincial Grand Lodge on September 19.

MR. DONALD McGREGOR, M.P.S., Murray Place, Stirling, has been appointed a Justice of the Peace for the county. For a period of about ten years Mr. McGregor was a member of Stirling town council, retiring about a year ago.

MR. SAMUEL HUGHAN, for ten years manager of the drug department of Boots, Ltd., Sauchiehall Street, Glasgow, was the recipient recently of a writing desk presented by staff and friends on the occasion of his appointment to a new post.

BUSINESS CHANGES

ANZORA PERFUMERY CO., LTD., have removed to 145 Fleet Street, London, E.C.4.

RESUFLIN, LTD., have removed to 7 Pall Mall, Manchester, 2.

FRUTICIA ESSENCE FABRIEK have removed to 7 Nieuwe Amstelstraat, Amsterdam, C, Holland.

MILLGATE CHEMICALS, LTD., have removed to 23 Rosslyn Hill, London, N.W.3. Telephone: Hampstead 7551.

MR. WILLIAM COOPER, Ph.C., has been appointed principal of the pharmacy department of the Merchant Venturers' Technical College, Bristol.

MESSRS. F. T. TAYLOR, M.P.S., and E. COTTERILL, M.P.S., have acquired the business of Mr. J. Hodkinson, M.P.S., 101 Mill Street, Macclesfield [Corrected note].

MR. FRANCIS MELROSE, M.P.S., has acquired the pharmaceutical business of J. & W. McCallum at 47 Princes Street, Edinburgh.

PHARMACEUTICAL SPECIALTIES (MAY & BAKER), LTD., announce that Major S. Valins, R.A., has resumed his duties as the company's export sales manager.

MR. J. A. PATTON, M.P.S., will shortly reopen his pharmacy at 315 and 317 Antrim Road, Belfast. The premises suffered severe air raid damage in 1941.

MISS ELIZABETH WEIR FYFE, M.P.S., has acquired the pharmacy formerly carried on by the late Mr. John Fyfe at Merylee Park, Giffnock.

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS are removing their offices to St. Ermins, Caxton Street, Westminster, London, S.W.1, on September 30.

SCOTTISH CO-OPERATIVE WHOLESALE SOCIETY, LTD., have purchased the business of Mr. G. Calvert McGonigal, M.P.S., 89 High Street, Carnoustie, Angus.

SERV-I-TOR BRUSH CO., LTD., has been adopted as the name of the company formerly known as M. Neuhafer & Levi, Ltd., 38-40 Upper Clapton Road, London, E.5.

LEGAL REPORTS

Strychnine Charge Dismissed.—For unlawfully supplying strychnine otherwise than as an ingredient in a medicine, Mrs. Jennie Pritchard Roberts, M.P.S., Finney Lane, Heald Green, was summoned at Stockport county magistrates' court on September 19. The prosecution was brought by the Pharmaceutical Society. The case was dismissed under the Probation of Offenders Act, but the defendant was ordered to pay £3 3s. costs.

Above Controlled Price.—At Reading, on September 11, a fine of £10 10s., with £5 costs, was imposed on Herbert Fellingham, trading as the Reading Drug Stores, 11-12 The Arcade, for selling combs above regulation price. For the Board of Trade, it was stated a moulded comb was bought for which the maximum permitted price was 10d. Fellingham charged 1s. 6d. "It does seem inconceivable that in 1946 a seller should not know the price of these combs is controlled," said the Board's solicitor. "The defendant's explanation is that he was going through the effects of his deceased wife when he found a small bundle of combs, but he is in fact the owner of the business and has been so for a number of years." He added that in July 1943 Fellingham was found guilty of overcharging on a bottle of brilliantine. For the defence, it was claimed that Fellingham was quite open about the matter. The sum involved was not a large one.

NEW HEALTH AND PENSIONS CONTRIBUTIONS

THE increased rates of contributions for National Health and Pensions Insurance shown in the table below come into force on September 30. The cards now in use remain valid until July 1947, although the rates of contribution printed on them become no longer applicable and should be ignored. Rates for employed persons aged fourteen and fifteen remain unchanged, as do those rates for persons contributing voluntarily "separately for Health benefit."

Special Rates

Where employed persons from eighteen years to pensionable age are not provided with board and lodging and the remuneration is over 3s. but under 4s. a day, the employee's share is 1s. 1d. for men and 1s. 7d. for women; where remuneration is 3s. or less a day, men employees pay

1s. 6½d., and women employees pay 1s. 3d. Voluntary contributors insured for Health whose income is over £420 a year pay 3d. less each week and are not entitled to medical benefit.

Insurance stamps for the new values will be on sale at post offices when the new rates of contribution become due.

Special voluntary contributors will be notified individually of any change in the rate of their weekly contributions.

The arrangements, made under the National Insurance Act, 1946, apply only until the National Insurance Scheme comes fully into operation.

Full details of the increases in Old-age Pensions (contributory and non-contributory), blind persons' pensions, and contributory widows' pensions are set out in leaflet P.I., obtainable from any post office.

CATEGORY OF CONTRIBUTOR	MEN			WOMEN		
	Employer	Employee	Total	Employer	Employee	Total
Employed persons						
Age 16 and 17	1 6	1 6	3 0	1 2	1 2	2 4
18 to 65 (men)						
18 to 60 (women)	2 0	2 0	4 0	1 8	1 8	3 4
Men 65 and over, women 60 and over, whether or not in receipt of pension	2 0	—	2 0	1 8	—	1 8
Exempt persons	2 0	5 ½	2 5 ½	1 8	—	1 8
Excepted persons fully in- sured for pensions						
Age 16 and 17	1 0 ½	1 0 ½	2 1	8 ½	9	1 5 ½
18 to 65 (men)						
18 to 60 (women)	1 6 ½	1 6 ½	3 1	1 2 ½	1 3	2 5 ½
Excepted persons insured for widows' and orphans' pen- sions only						
Age 16 and 17	4 ½	4 ½	9	—	—	—
18 to 65	6 ½	6 ½	1 1	—	—	—
Voluntary contributors						
Combined health and pensions	—	—	4 0	—	—	3 4
Separately for pensions	—	—	3 1	—	—	2 5 ½
Separately for widows' and orphans' pensions only...	—	—	1 1	—	—	—

CHEMISTS' FRIENDS ASSOCIATION

A MEETING of the Council of the Chemists' Friends Association was held on September 12, the president of the Association in the chair. Meetings of the C.F. Propaganda and C.F. Standards Committees had been held on the previous day.

THE PRESIDENT welcomed Messrs. T. A. Gibson and J. McClenahan (president and secretary of the Northern Ireland C.F. Committee).

The Council received evidence of supply of a C.F. product to an unqualified trader by a chemist. As the chemist had previously been warned, it was resolved to put into operation Rule 40 of the Constitution and Rules.

Change of Name

Five applications for manufacturer membership of the Association were considered, and the following recommendations of the C.F. Standards Committee were accepted: That four applications be deferred for further consideration to enable various matters concerning claims, trade terms, and formulas of some of the products offered to be taken up with the manufacturers concerned, and that the application of Pegol Products, Ltd., Blackpool, for the inclusion of their product Rubgum be accepted.

Twelve applications for wholesaler membership of the C.F.A. were considered. Eight were rejected, three were deferred to enable further inquiries to be made, and the application of Hyde & Entwistle, Ltd., 6 Murray Street, Belfast, was accepted.

THE SECRETARY reported that Chase Laboratories Ltd., Avon House, 356 Oxford Street, W.I., wished to resign from manufacturer membership of the Association on ceasing to manufacture Chase stomach remedy; the request was granted.

Additions to Schedules

Applications from two C.F. manufacturers for additions to the schedules of their C.F. agreements were considered, and a recommendation by the Standards Committee that one application should be deferred to enable the secretary to clarify a query regarding the formula, and that the other application should be refused on account of the claims made, was accepted.

THE SECRETARY reported that all members had been circulated in connexion with the proposed change from Chemists' Friends to Chemists' Federation. To date, 4,000 prepaid postcards had been returned from members favouring the change.

A draft form of C.F. retailers' agreement was received from the C.F. Propaganda Committee and approved.

THE SECRETARY reported that THE CHEMIST AND DRUGGIST had reproduced a photo and given particulars of the new C.F. display stand, and that further propaganda would appear in the N.P.U. supplement and C.F. bulletin. As a result of the announcement in the trade Press, over 100 stands had already been supplied.

THE SECRETARY reported that he had received requests from pharmaceutical organisations in Australia, South Africa and Switzerland for information concerning the work of the C.F.A.

EFFECT OF EMOTION ON GASTRIC SECRETION

AN attempt to investigate the changes in gastric secretion caused by emotional stress is described by Floyer and Jennings ("Lancet", September 7, p.356). The work was carried out at the medical unit of the London Hospital. Twenty students awaiting the result of the M.B. examination volunteered to co-operate in the investigation, which took place on the day the results were to be announced. All the volunteers either went without lunch or had an early light carbohydrate meal. The technique used was to draw off as much as possible of the fasting secretion, and then to give a gruel meal. Initial samples were taken to determine the free hydrochloric acid and total acidity, and the presence or absence of starch or bile. Further samples were then taken at intervals during the hour preceding and the hour following the declaration of the results. The atmosphere of tension in the room was deliberately increased by sending messengers out to inquire whether the results were yet ready, and by consulting sheets of foolscap. Of the twenty candidates, sixteen passed and four failed. The results of the test meals, which are published in a detailed table in the original report, show that there was no evidence of hypersecretion, and no significant change was caused by elation in the successful candidates or by depression in the four who failed.

Concentrated Onion Oil.—A concentrated onion-oil, 1 oz. of which is said to contain flavour equivalent to 2,500 oz. of ordinary onions, has been exhibited in Chicago, U.S.A.

NEW PENICILLIN DISPENSING FEES

A SUMMARY issued by Ministry of Health gives the arrangements operating for National Health Insurance dispensing of penicillin from October 1, as follows:—

Cremor Penicillini, B.P.—There has been no change since August 1; that is, the dispensing fee is 1s. 6d., plus war-time increase of 33½ per cent. The fee applies to non-sterile creams differing in penicillin strength, and with similar but not identical base to the B.P. cream. Ingredient cost of the base of the B.P. cream is 1s. per 1 oz. or 30 gm. To this is added the cost of the penicillin and of the screw-capped jar. Cost of penicillin is at the rate of 0.22d. per 1,000 units. Cost of the container is 3.5d. for 1 oz., 4.2d. for 2 oz., 4.5d. for 4 oz. Where part only of a vial of penicillin has been used in making the cream, chemists are required to endorse prescriptions with a statement, where necessary, that the remainder of the vial could not be used on the same day.

Cremor Penicillini Sterilisatus, B.P.—There is no alteration; the dispensing fee is 2s. 6d., plus 33½ per cent., and the price of the 25 gm. jar of sterile base remains at 1s. 2d. A similar endorsement of penicillin not used on the same day should appear. The quantity and cost of sterile distilled water used should be stated.

Unguentum Penicillini, B.P.—From October 1, ingredient cost payment is from the agreed list price of the pre-packed ointment. At present only 1 oz. jars are available: agreed list price is 4d. each. The dispensing fee for a penicillin preparation costing 1s. 4d. is sixpence plus 33½ per cent. Only ointments of non-B.P. strength, if not available as pre-packed products, will be paid for at the extemporaneously dispensed fee of 2s. 6d. (plus 33½ per cent.) if the script is endorsed to show extemporaneous dispensing.

Oculentum Penicillini, B.P.—As for the B.P. ointment, payment will be made on one basis only, namely, from the agreed list price, which is tenpence for the 1 dram pack. Similarly, prescriptions for eye ointments of non-B.P. strength, if dispensed extemporaneously, should be suitably endorsed.

Trochiseus Penicillini, B.P.—Penicillin lozenges must be dispensed in unbroken packages as obtained from the wholesale houses, as they are apt to deteriorate rapidly in moist air. At present they are available in bottles of fifty and twenty. Chemists should endorse prescriptions to show the quantity dispensed. As only one wholesale

house is at present marketing the 20-lozenge pack, prescriptions for less than fifty lozenges will frequently be endorsed "50-lozenge pack dispensed." Payment will be from the agreed list price, 1s. 8d. for fifty lozenges, or as charged to the chemist for different makes. The appropriate dispensing fee for penicillin preparations will be allowed.

Eye Drops, Throat Sprays, Nasal Sprays, Ear Drops and similar preparations not for parenteral injection.—These preparations have to be freshly prepared, using an aseptic technique, and they do not normally contain a bacteriostatic. Dispensing fee is 2s. 6d., plus 33½ per cent. The container has to be provided by the pharmacist without extra charge. Ingredient costs will be paid for the actual quantity of penicillin used, unless the prescription is endorsed to show that the remainder of the vial was not used the same day, and for the vehicle. Chemists have been asked to endorse prescriptions "extemporaneously prepared."

Injectio Penicillini Oleosa, B.P.—From October 1, payment for the oil-wax suspension will be made on one basis only, whether dispensed extemporaneously by the few T.S.A. licence-holders or bought ready prepared. The agreed list price for the nearest pre-packed quantity, together with the appropriate fee for a pre-packed penicillin preparation will be paid.

Injectio Penicillini, B.P.—There is no alteration in payment, which is made for the actual quantity of penicillin and solvent used, the dispensing fee being 3s., plus 33½ per cent. Where a container other than the penicillin vial itself has been used, the prescription should be endorsed to show cost.

Southampton Insurance Committee.—Opening hours were discussed at a recent meeting of the Insurance Committee, when a resolution was carried that chemists' shops should remain open until 7 p.m. every evening except Sundays, Wednesdays and public holidays, with a rota scheme to cover the period between 7 p.m. and 8 p.m. The resolution is to be referred back to the Pharmaceutical Committee, whose suggestion had been that the hours should be from 9 a.m. to 6 p.m. daily, except Sundays, Wednesdays and public holidays; Wednesdays, 9 a.m. to 1 p.m.; Sundays and public holidays, 6 p.m. to 7 p.m.; with a district rota scheme for 6 p.m. to 7 p.m. Mr. J. M. Dowty (representative of Pharmaceutical Committee) said that he hoped that an all-night pharmacy would shortly be opened.

PENICILLIN IN EXTERNAL EYE INFECTIONS

An account of the use of penicillin for common external infections of the eye among outpatients is given by Minton ("British Medical Journal," September 7, p. 324). The treatment was carried out in the outpatient department of a children's hospital, and the ophthalmic department of a general hospital.

Infections in Children

The most common infections found in children were blepharitis, conjunctivitis (often associated with corneal ulcerations) and lachrymal sac infections. Blepharitis was found to clear up quickly on treatment with penicillin ointment, but it often recurred when treatment was stopped; mothers were therefore advised to continue applying the ointment to the lids twice weekly for several weeks.

For conjunctivitis among infants and children, mothers were given about 14 mils of penicillin drops containing, usually, 1,000 units per mil. For severe infections, twice this strength was used. The drops were dispensed in a bottle with an eyedropper fixed through an aperture in the plastic cap. The cap had a rubber washer. Mothers were instructed to store the drops in the pantry and to instil at least three or four drops four times each day.

Lachrymal sac infections in infants took weeks, often months, to clear up, when treated with strong penicillin drops. The discharge usually cleared up after a week, but often the eye continued to water. Penicillin was then continued for three weeks. If watering still continued, the lachrymal duct was probed, and penicillin drops ordered for another week. One probing of the obstructed lachrymal duct, in an infant, was sufficient to clear up the condition.

Adult Outpatients

Adult outpatients reported most frequently with industrial eye injuries, conjunctivitis and chronic blepharitis. Most industrial eye injuries responded quickly to penicillin drops instilled at home. Patients suffering from lime burns were admitted to hospital and treated hourly with penicillin eye drops (2,500 units per mil). Sulphonamides were given orally, and, where necessary, T.A.B. vaccine in saline was given intravenously.

Adult conjunctivitis patients were given penicillin eye drops for use at home; where there was corneal ulceration the treatment was combined with atropine drops and

steaming of the eye. Blepharitis in adults, when secondary staphylococcal infection was present, responded rapidly to penicillin treatment. The ulcerative type, with red crusted lid margins, was treated with penicillin ointment, used twice daily at home. Deep and extensive corneal ulcers were carbolisled and the ulcers showed signs of healing within a few days.

A number of adult patients were found to be allergic to penicillin; marked redness and oedema of the skin of the lids, often extending to the skin of the cheek and forehead, resulted from the use of the ointment or drops. The patients' sensitivity to penicillin was confirmed by skin-patch testing. It is possible that the reactions, which were not limited to any one batch of penicillin, were caused by impurities. None of the children treated with penicillin showed any allergic skin reactions.

Methods of Preparation

The eye drops were prepared as follows: Into a drop bottle of the type described above was poured 20 mils of distilled water. The cap was screwed on and the bottle autoclaved at 10-lb. pressure for half-an-hour. The appropriate number of tablets of sodium penicillin was added to prepared drops of the required strength. To prepare the ointment, 200,000 units of penicillin in powder form were rubbed down in a sterile mortar with a little sterile liquid paraffin. 500 gm. of Eucerin L.M. base (previously sterilised by heating at 150° C.) was gradually incorporated, and the product transferred to sterile jars using a sterile spatula. The base chosen was found to contain very little moisture and did not turn acid.

Biological assays upon samples of the drops were carried out by Glaxo Laboratories, Ltd. The drop bottles were frequently opened and exposed to the air as they would be by patients at home. The useful life of the drops was shown to be at least two or three weeks. The original *pH* of the eye drops was 6.35, and this fell only slightly on keeping. The original *pH* of the ointment was 7.1, and there was no significant change on standing. As it was prepared without water, the stability of the ointment at room temperature was probably the same as that of dry penicillin. The *pH* values of the ointment and drops were found ideal for ophthalmic use. The author acknowledges assistance given by two pharmacists (Mr. J. T. Marsh and Miss L. E. Jacob).

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Contributory Negligence

THE question of contributory negligence often arises in connexion with cases coming within the category of a "tort," a tort in law being something irrespective of contract, for example, factory and shop accidents, customers' falls, etc., motor and road and delivery work accidents generally. In respect of such torts the legal position has been altered by the Law Reform (Contributory Negligence) Act, 1945. Previously, where it was shown that the injured person had contributed to the injury by his own negligence, no damages could be awarded, even though it might be proved that the injury was caused by the other party. By the new statute, a person who suffers damage as the result partly of his own fault and partly of the fault of any other person or persons, will not fail in a claim in respect of that damage solely by reason of the fault of the person suffering the damage, although the damages recoverable will be reduced to such extent as the court thinks just and equitable, having regard to the injured person's share in responsibility for the damage. First the court (or jury, if there is one) must find and record the total damages that would apply if the claimant had not been at fault; then an amount is scheduled as covering the contributory negligence of the injured person. The difference becomes the amount awarded to that person. This new point of law, the apportionment of blame, applies also to the Law Reform (Miscellaneous Provisions) Act, 1934, which provides for executors to act

where the injured person or the alleged offender is dead, and also to the Fatal Accidents Acts, 1846-1908, which allow executors to carry on where the injured person (not the alleged offender) is dead.

Under the Law Reform (Tort Feasors) Act, 1935, where there are several tortfeasors (a tort feasor is a committer of a tort), a contribution to the damages can be recovered in respect of the damage; if there is contributory negligence the new Act provides that an amount for this is to be deducted from the full damages, and the injured person then has rights against the two or more defendants, according to the degree of negligence attributable to each. The new point of law cannot apply to anything covered by contract and, where a contract (or enactment) limits the liability, the amount of damages recoverable by the change of law cannot exceed the maximum amount laid down in the contract, etc. An injury may be covered by the Workmen's Compensation Acts, but the injured person (i.e., employee) can still proceed by Common Law.

Student Martyrs of Whitechapel

POIGNANT memories of past suffering will help pharmacists of the older school to sympathise with present-day medical students who have to assemble on the fateful day and wait for their examination results. A growing nervous tension reaches its peak at the moment of the announcement: it may be succeeded, then, by elation among the successful, or by a deep depression among those who have failed. Whether the elation or depression is reflected in the physiological processes is a question to which science has previously provided no answer. However, investigations conducted recently by the Medical Unit of the London Hospital, Whitechapel, E.I, into the relationship between emotional stress and gastric secretion, appear to have settled the matter (see p. 397). Candidates for the M.B. examination volunteered as "human guinea-pigs," and submitted to a series of gastric analyses immediately before and immediately after they heard their results. Not content with the degree of excitement inseparable from such an occasion, the investigators resorted to stratagems reminiscent of Pavlov's famous

tests on dogs. Thus, bogus sheets of foolscap were consulted, and messengers sent from the room on make-believe errands, deliberately to heighten the tension. This must have added to the mental distress of the examinees, but as the tests turned out it bore no fruit for science. No significant changes in gastric secretions were observed, corresponding to changes in emotional stress, whether among the sixteen successful candidates or among the four who failed. Obviously the knowledge gained from the experiments would have been less complete had all the candidates passed; in saying to them all, therefore, "Thank you for the use of your emotions," the examining authorities might perhaps consider compensing them by giving the unlucky four a "gift" question when they next sit: To discuss the relationship between emotional stress and gastric secretion.

Drug Trade Exports Maintained

THE monthly statement of overseas trade of the United Kingdom shows that there has been a temporary halt in the upward trend of exports. August is a holiday month and, in some instances, it is the practice for factories to close down for a week or more. This vacation period enables new machinery to be installed or repairs to be carried out and is in this way of the utmost benefit to production throughout the rest of the year. The total export figure for August of £82,365,316 shows a sharp contraction compared with that for July; it must be remembered, however, that July, usually a poor month, this year gave a peak figure of export values, reaching £96,265,777. Compared with August 1945, total value of exports has almost doubled, but this month's total represents only 101 per cent. of the average monthly volume of 1938.

According to the summary tables published on p. 5 of the Trade Accounts, exports of the "chemicals group" for the month under review were valued at £5,827,448, over £2½ millions more than during the corresponding month last year, but over £600,000 less than in July of this year. An analysis of the figures concerned with drug trade items (see opposite) shows that, compared with last year, exports of these products have been well maintained.

Commodity	Monthly Average	Month ended August 31	
		1945	1946
	£	£	£
Aluminium compounds	21,946	33,364	48,54
Ammonium nitrate ...	14,139	19,670	108,55
Ammonium salts (other than sulphate and nitrate)	10,283	41,232	44,93
Ammonium sulphate ...	171,093	236,970	369,15
Benzol ...	387	524,259	93,89
Bleaching powder ...	13,175	8,586	27,788
Cameras ...	8,473	25,058	27,570
Castor oil ...	16,613	1,393	3,112
Citric acid ...	11,585	2,261	9,382
Cod-liver oil (and other liver oils) ...	11,784	4,726	33,443
Cresylic acid	23,322	44,649	82,127
Disinfectants, insecticides, etc. ...	65,510	163,881	363,635
Druggists' wares ...	47,478	47,085	93,675
Drugs, medicines and medicinal preparations (total) ...	273,418	422,252	1,095,504
Essential oils	17,542	13,601	15,244
Flavouring essences ...	20,554	32,645	74,000
Glass bottles and jars ...	24,635	17,224	50,764
Glycerin ...	32,819	4,020	30,716
Linseed oil ...	31,215	2,190	2,472
Perfumery and toilet preparations ...	96,497	98,375	315,362
Photographic plates, films and spools ...	39,705	35,393	104,916
Proprietary medicines ...	112,940	202,176	455,430
Quinine and quinine salts	14,593	1,503	33,465
Scientific glassware ...	9,803	16,074	52,609
Spirits, perfumed ...	17,746	642	26,344
Stearic acid ...	6,825	3,205	13,036
Toilet soap ...	27,498	73,786	45,736
Waxes ...	14,032	3,297	36,418
Zinc oxide ...	22,355	32,869	61,966

A CENTENARIAN BUSINESS REJUVENATED

A NEW dispensary, installed under post-war difficulties, and a penicillin room fitted out "after many weeks of correspondence with the Ministry of Health in obtaining a T.S.A. licence (No. 103)" seemed to warrant an editorial visit, even without the added interest that "this business was established in 1837." Consequently, when Mr. Ben Marks, M.P.S., the proprietor of Marks & Son, chemists, Clevedon, Somerset, ventured to write and ask, "would you like to send one of your

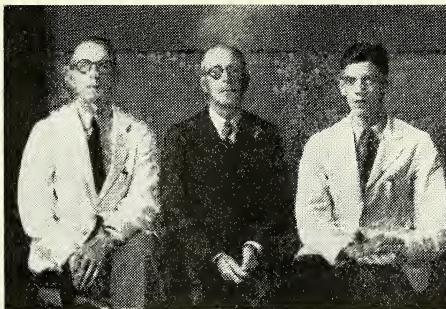


The frontage with Royal Arms above, as it appeared under a former proprietor

staff to see what we have accomplished without a great deal of expense?" the invitation was at once accepted. The opportunity might not soon occur again, for Mr. Marks added a postscript that within a few days he hoped to take a fortnight's holiday—"the first for nine years." After seeing the fruits of a bare six months' remodelling of the shop premises, carried out for the most part by the spare-time labours of himself, his family and his staff, the writer can testify that, even without the labours of the previous eight-and-a-half years, his holiday has been thoroughly well earned.

To appreciate the changes it is necessary to know something of the previous layout of the shop and back rooms. The pharmacy occupies the corner position chosen by its original proprietor in 1837. Its front is wholly in the arc of a circle, a shape echoed in the main counter within. The counter, a most distinctive feature with its brass edge and original front of white glass panels, each handsomely lettered and gilded in the best style of the day, is, with the sand-blasted decorative glass window-

backs, almost the only "fixture" that has not been rearranged to meet the more exacting conditions of an expanding twentieth century pharmaceutical concern. Formerly, the dispensary was behind a screen at the right of the shop, parallel to one of the three short and roughly equal walls that, with the arc of the windows, make the shop plan a symmetrical if unusual shape. The dispensing bench was necessarily narrow, and the shelves at the rear hardly adequate for the dispensing "rounds," let alone for the made-up medicines that, placed ready for collection, resulted in very congested conditions as a large private and N.H.I. turnover continued to expand. The shelves were continued, through a doorway, into a long, narrow room, or rather *cul-de-sac*, in line with the dispensary. In the angle between the dispensary screen and the window back stood a vertical glass-fronted showcase. At the left of the shop other showcases concealed steps down to a stockroom at a slightly lower level, and it may be appreciated that only a few customers were needed to fill the remaining floor space. The counter was itself reduced, in sales space, by a desk at one end.



Mr. Ben Marks, M.P.S., the present proprietor, Mr. Frederic Marks, M.P.S., who retired in 1945, and Mr. Richard Marks

The succession of improvements that has converted an old-fashioned and inconvenient shop into a modern, bright, spacious pharmacy, equipped to provide a scientific and dispensing service second to none, was prompted almost accidentally by the presentation to Mr. Marks, by a local doctor on the point of retirement, of a self-contained mahogany "doctor's dispensary"—a handsome piece of furniture and a most acceptable gift, but one for which there was

September 28, 1946

obviously no room in the shop itself. Already pressure in the dispensing department had made it apparent that sooner or later drastic changes would be necessary; now the urgency of the problem would brook no delay. The bold decision was taken to convert the stockroom, a rectangular space 24 ft. x 14 ft., into the dispensary, remove the dispensing screen to provide new counter space, and take away the showcases.

A Cellar Transformed

Well and good, but where to put the stock? The only possible alternative was the cellars, and these, never intended for habitation or real use, were damp, rough-walled and unsuitable. They had to be made waterproof, given proper ventilation, and lighted. This was, in fact, done, the method being to face the walls with concrete mixed with a proprietary waterproofing material. In the process, it was a stroke of inspiration to throw girders across from an opening in the wall to an inner opening in the largest basement room, excavate a suitable space below the pavement outside, to be covered with a steel trapdoor, and provide a route for incoming goods which saved all the dirt, inconvenience and even risk attendant upon unpacking cases in the shop, as had previously been done. True, the local surveyor's permission was only granted on a specification that involved a steel trapdoor weighing $2\frac{1}{2}$ cwt., but raising and lowering this presents no terrors to the ex-Metropolitan policeman—a relative of the proprietor—who does duty as shop porter. The girder "bridge" is completed with cross planking and upon it is kept a flat, wheeled trolley for easy transit of cases to the interior. Shelving was transferred from the upstairs stockroom and re-erected below by Mr. Marks and his staff of amateur but expert joiners, and not only extensive but excellent stock space became available, leaving the way clear for conversion of the upstairs room into a dispensary. In the process of preparing the basement a soft-water tank was opened up.

The new dispensary is illustrated in these pages. The bench surface is of 1-in. boarding, faced with thick, self-coloured cork linoleum. Equipment includes a Manesty still, Ascot heater, Buchner filter, refrigerator, etc. Lighting, both here and in the shop, is by fluorescent tube.

The proprietor treasures some very early dispensing books. There is still a call, from one or two customers, for prescriptions from Book 16 (dating back about sixty years), so the introduction of new ideas and methods,

and adaptation to new conditions, have involved no sacrifice of continuity or loss of old customers. On the other hand, the improvements have met with commendation from the local doctors, and brought in the new customers whom there is now the space to serve expeditiously. A staff consisting of the proprietor, Mrs. Marks, an unqualified assistant, two apprentices (one of them the proprietor's son, Richard), and a toilet-counter assistant (a daughter, Sheila), is kept thoroughly and constantly busy. Among other things, the business makes on the premises all its own toilet and perfumery specialities. Mr. Marks senior, who acquired the business in 1902, coming from Barnstaple, retired only some eighteen months ago at the age of seventy-six, and still takes a hand on occasion as locum.

The sterile penicillin room is upstairs, well away from the shop. It is a small room, newly decorated and equipped with bench, hot-air oven, autoclave (a Pentecon cooker), high-reading thermometers (0-250° C. and 0-600° C., 10-c.c. syringe, small enamel bowls for forceps and hypodermic needles, 9-in. and 10-in. glass rods, and glass slabs. Already a large number of penicillin prescriptions have been dispensed, including two for injections (for which the Therapeutic Substances Act licence is needed). The licence, by the way, is framed and displayed in the shop.

Staff Work

Mention has been made of the low cost of all the alterations described. In part this was due to willing work by the staff, who carried out all the painting and most of the woodwork. The actual removal of the dispensary was done on a Wednesday (early closing day) afternoon, and the new dispensary was actually in use for an hour the same evening. The whole of the changes were carried out at a cost of less than £200. It is quite evident that the proprietor's own energy and enterprise have been mainly responsible. An instance is the construction of his hot-air oven, which was made by himself out of an ordinary domestic electric oven, sealed off on the outside with steel-plate and asbestos, and pierced to accommodate a high-reading thermometer. Some of his resource may have been developed in South Africa where, after qualifying in 1922, he held several managements with marked success. Nevertheless, Mr. Marks is modestly but firmly of the opinion that any other pharmacist could effect similar changes with similar economy. It is surely up to many of them to try!

Improvements at the Hill Road Pharmacy, Clevedon

Substantially unchanged, the frontage has now a modern fascia and colour scheme. In the shop, floor and counter space have been increased by removal of showcases and dispensary. A damp cellar has been converted into a dry, well-lighted stockroom (at right). Into the penicillin room (at foot, left) nothing is admitted but what is actually required. A former stockroom makes a large and convenient dispensary shown (at foot, right).



AROMATIC DIAMIDINES IN MEDICINE

PRODUCTION in quantity of a more effective and toxicity-free product—penicillin—may have set limits to the promising career of propamidine as a bactericidal agent. That fact does not hinder the aromatic diamidines from having important applications as protozoacides, or propamidine itself from functioning successfully as a bactericide in circumstances where other antiseptics and bacteriostatic agents, including even penicillin, may be at a disadvantage.

Early Evidence of Protozoacidal Action

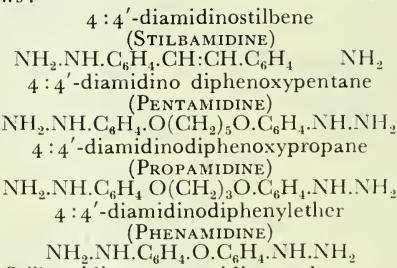
As a class, the diamidines are synthetic organic, non-metallic, compounds, many of which are highly active against a very wide range of organisms, including bacterial and protozoal (trypanosome and leishmania) infections. Their possible development as medicinal agents was suggested in 1937, when King and others ("Lancet," 1937, 2, 1360) showed that certain symmetrical aliphatic diamidines (as well as diamines, diguanidines and di-iso-thioureas) had a marked activity against trypanosomes, the causative organism of sleeping sickness. This tropical scourge had from about 1920 onwards been treated in the early stages by Suramin. The diamidines tested were examined in the pursuit of investigations prompted originally by a hypothesis that had later to be abandoned, but the discovery opened up a fruitful avenue of research. It had at one time been thought that the trypanocidal activity of compounds of this kind was due to their power of depriving the organisms of glucose, on which they depend for development. Examinations were therefore made for other compounds having similar properties. One of these, synthalin, was a diguanidine: decamethylene diguanidine dihydrochloride. Put forward in the first place as an alternative to insulin, but rejected as too toxic, its trypanocidal activity *in vitro* was shown to be greater than could be explained on the score of hypoglycæmic action, and its effect was found to be directly lethal to trypanosomes.

The investigations of King and his co-workers were made into compounds of similar type to synthalin, and several were found to have trypanocidal activity in greater or lesser degree, the most promising being the diamidine compounds. One of these, undecane-1 : 11-diamidine, was noteworthy for possessing a high order of activi-

ity, though, unfortunately, it was ruled out by its toxicity from being practically employed in the treatment of sleeping sickness. The studies were energetically taken up in the laboratories of May & Baker, Ltd., Dagenham, but concentrated rather on the aromatic diamidines, among which some therapeutically valuable compounds were shortly discovered. Results of the work at Dagenham were first published in 1942. Up to the present several hundred compounds have been examined, the first of which was 4 : 4'-diamidinodiphenylmethane, a compound roughly comparable in the aromatic series to undecane-1 : 11-diamidine in the aliphatic. Essentials for *in vivo* activity against protozoa have been demonstrated to include the presence in the compound of two amidine groups, preferably in the 4 : 4' positions: monoamidines have failed to show any marked trypanocidal activity.

Developed as Chemotherapeutic Agents

The conclusion was reached that four compounds at least could be developed as chemotherapeutic agents. Of these four compounds the chemical names, adopted names and structural formulæ are as follows:—



Stilbamidine, pentamidine and propanidine are considerably more active than tryparsamide (sodium phenyl-glycinamide-p-arsonate against *T. rhodesiense*. Permanent cures of infected mice were obtained with doses as small as 0.01 to 0.05 mgm. per 20-gm. mouse. Stilbamidine and pentamidine have been found clinically effective against both (a) the trypanosomes of sleeping-sickness and (b) the leishmania (*L. donovani*) responsible for the tropical disease kala-azar. Against kala-azar the only effective agents previously available were antimony compounds. The use of these compounds is not, of course, superseded, but the diamidines are of value either

alone or on the many occasions when an alternative is desirable as, for example, when the patient becomes drug-fast to antimony compounds or is intolerant to an antimony drug. Pentamidine is probably the most satisfactory drug yet found against the early stages of sleeping sickness, whether caused by *T. rhodesiense* or *T. gambiense*. A course of ten injections is usually adequate to control the condition, while it was first shown in the Belgian Congo, and is now being demonstrated in British West Africa, that a single injection confers protection for six months or longer—a finding which gives substance to the hope that eventually the disease may be eradicated. Unfortunately, hopes that the diamidines would provide a drug for use in the later stages of the disease (when the infection reaches the central nervous system) have not so far been realised. In late cases, therefore, tryparsamide, with its attendant risk of occasional blindness, has still to be employed. The administration of stilbamidine in the treatment of kala-azar, though at first the subject of most favourable reports, later proved to result in certain toxic side-effects, and the manufacturers decided to lay emphasis on pentamidine rather than on stilbamidine as a drug of choice in the condition. Pentamidine, though less rapid in action, is also less toxic, and can be given intramuscularly.

New Interest in Stilbamidine

The experience of an American physician, however, has awakened a new interest in the diamidino stilbene. His trials suggest that stilbamidine may have an important and distinctive application in a quite unexpected direction—namely in multiple myeloma, a malignant disease of the bone. The drug was tried for this purpose on the hypothesis that, since it was effective in kala-azar, a condition in which there was a rise in blood globulins, multiple myeloma, in which there was a similar increase, might also yield to treatment. The results were more than encouraging. Insufficient time has yet elapsed to allow claims of curative properties to be put forward, but certainly it is true to state that patients who would otherwise have been dead are today alive and free from pain. For a time there seemed bright prospects for dimethyl stilbamidine as an agent against *T. Congolense* (the causative organism of a disease affecting cattle and horses, especially in Africa) but a subsequently discovered drug—a phenanthridium compound—proved much more effective, and this has superseded the dimethyl stilbamidine.

Phenamidine, a compound of lower activity and lesser toxicity than the diamidines already described, has from that very cause a particular application. In a canine disease that is specially prevalent in the tropics (*babesia canis*) phenamidine has a specific action plus a wide margin of safety. A single dose is usually adequate.

Antibacterial Activities

The aromatic diamidines, introduced primarily as a weapon against protozoal infections, were found on investigation to have no less valuable bactericidal properties. They were shown to be active against a very wide range of disease-causing organisms. In this aspect, interest has focused mainly on propamidine, and on later members of the series not yet commercially available. As a topical application to wounds and burns, propamidine, as jelly or cream, has been pronounced more effective than the sulphonamides, and better tolerated than the acridine group of compounds. Only the greater usefulness of penicillin has prevented its general adoption as a local bactericidal agent, but in the form of a cream it offers possibilities as a stable and easily handled first-aid dressing. Its main effectiveness is against gram-positive organisms (although it has some effect against gram-negative organisms) and the fact that it is not inhibited in the presence of pus gives it an advantage over all the sulphonamides except Marfanil. Against the gram-negative organisms (e.g., *B. Proteus* and *Ps. Pyocyanus*) it is, like penicillin, less active, so that separate action must be taken against those organisms before, say, skin-grafting operations can be resorted to. Propamidine has been found specially useful in eye infections such as chronic conjunctivitis, for which purpose it is presented as an ophthalmic solution. As a spray in infections of the chest, propamidine solutions have been used with some success. For local treatment of wounds propamidine is incorporated in a watery gel of 4.5-5.0 per cent. methyl cellulose. The wound is cleaned with normal saline and if necessary explored to ensure that the jelly can make contact with the entire surface. A sterile spatula is used to fill the cavity to skin level with 0.1 per cent. propamidine jelly.

Present researches are being directed towards finding diamidines that are active against gram-negative organisms, and to ways of reducing toxicity in the compounds administered parenterally in protozoal infections. It will be seen that the group has an important place in medicine.

SPONGE TRADE IN CUBA

CUBA's sponge-fishing industry before the war produced about £125,000 worth of sponges annually. In 1944 the value rose to more than double that amount. This increase in value is attributed entirely to higher prices, inasmuch as the quantity of sponges has declined sharply, states a writer in "Foreign Commerce Weekly."

In 1930 Cuba produced approximately 13,339,000 sponges; in 1945 probably not more than 480,000 were gathered. There are several reasons for this decline. One is that some beds have been depleted by a sponge-blight disease and others by overzealous fishing. Another is that in the hurricane of 1944 the fishing fleet lost about forty of its 112 active sloops and much other equipment, leaving from 500 to 600 fishermen without work. Finally, dealers are reluctant to export sponges because the high prices asked by fishermen who are still

active and the prices paid in the United States, the chief buyer, have reduced the margin of profit.

A Leading World Source

Cuba is, nevertheless, one of the leading world sources of sponges, sharing the trade with the Mediterranean and with other parts of the Caribbean area, particularly off the coast of Florida near Key West and the Bahama Islands. It has held this position since early in the 1880's, when attention was called to the great number of sponges growing in its waters. In 1883 the first sponge shipment was made from the Batabano area to Spain. As soon as the quality of Cuban sponges was found to compare favourable with that of European the merchants and fitters of small vessels at Batabano engaged actively in the business of placing their sponges on the world markets.

U.S. PENICILLIN EXPORTS

IN July of this year the U.S. Civilian Production Administration allocated 1,350 billion units of penicillin for export. This is equivalent to 13,350,000 vials of 100,000 units each, and was 6,350,000 vials more than was set aside for commercial sale in the United States. By July 12 the Office of International Trade had approved 13,277,800 vials for export—which left only 222,200 vials for release during the rest of the month. It should be emphasised (states the "Foreign Commerce Weekly") that the domestic allocation is greater than will be required, as the CPA sets the quantity "on the high side" to be sure that domestic supplies will be more than adequate. The export sale in the month of July will probably be more than double sales in the United States. It is hard to find any product whose export exceeds the domestic sale; certainly no other sells abroad at twice the rate of sales at home.

The dollar value for the vials of penicillin approved for export in July is estimated to be \$8,750,862. In addition to this, \$913,241 worth of other penicillin products and \$214,796 of bulk penicillin was given export clearance. This makes a grand total of \$9,878,899 of penicillin in all forms approved out of the allocation for export up to July 12. It was confidently expected to reach the \$10,000,000 mark before the end of the month. This export sale on one product will be ten times the export sale of all

drugs and medicines from the United States in an average month of 1938. Besides drawing a spectacular curve for itself in the medical export business, penicillin has opened to its producers new markets for others of their products.

In areas where dollar exchange is short, penicillin has used a much larger share of exchange than any other product outside of food.

Pharmacy Training in Trinidad.—Higher standards of pharmaceutical education are recommended in a memorandum recently issued by the Advisory Committee to the Director of Medical Services, Trinidad. The recommendations follow a discussion between the Director of Medical Services and representatives of the Pharmaceutical Society on September 29, 1945. The Committee suggests that steps should be taken to raise the standards of the local examinations to those of the Chemist and Druggist Qualifying examination of the Pharmaceutical Society of Great Britain, and to seek affiliation to the British Society. Facilities for the higher standard of training would be provided with the establishment in Trinidad of a medical school proposed recently by the Colony's Higher Education Committee. The Pharmaceutical Society of Trinidad and Tobago is not represented on the Advisory Committee.

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.

Setting Lotion for Children's Hair.—
S.W.—Below are two simple formulas for preparing setting lotions suitable for children's hair:—

I

Acacia, in powder	...	...	0.3
Borax, purified	...	...	2.0
Isopropyl alcohol	...	...	10.0
Water, distilled or rose,	to	100.0	

Dissolve the acacia and the borax in about 80 parts of warm water, add the isopropyl alcohol, which may be perfumed with terpineol or otherwise, and dilute to the requisite bulk.

II

Tragacanth, in powder	...	2 dr.
Glycerin	...	5 dr.
Spirit	...	4 dr.
Water	...	30 oz.
Terpeneless oils for perfuming	10 min.	
Green colouring, as required		

Solution of formaldehyde ... 35 min.
Rub the tragacanth with the spirit and perfume, and slowly add the glycerin. When homogeneous, slowly add 10 oz. of water (fairly hot), and if the solution is lumpy, pass two or three times through muslin. Then add the remaining 20 oz. of water (cold). After three days this preparation becomes translucent.

Label Gum for Tins.—W.O.S.—The following formula is for a gum for attaching labels to tins:—

Glue	...	...	45 parts
Water	...	...	55 parts
Soak and warm gently until solution is effected; then add			
Calcium chloride, calcined	13 parts		
Continue the application of heat till solution is complete and add a small amount (0.5 per cent.) of phenol or other suitable preservative.			

Stearate Dusting Powders.—R.H.S.—
Stearates of aluminium, magnesium and zinc have been used in various forms for application to the skin. Zinc stearate, for example, has been employed as a dusting powder in dermatological practice for its desiccating and protective effects. However, instances of poisoning have been reported following careless application of the substance to infants, causing it to be inhaled. In consequence its use as a baby powder has been

discontinued. Zinc oleostearate, B.P.C., is used to protect the surface of the skin in excoriations, to allay irritation, and to absorb discharges in moist eczematous conditions and for excessive perspiration. It may be used as a compound dusting powder (*pulvis zinci oleostearatis compositus*) and may be perfumed with thymol and mixed with a suitable powder. Its adhesive property and that of the magnesium stearate are used in the preparation of face powders. Aluminium hydroxide is sometimes used as an emulgent in emulsions for application to the skin.

Tax on Government Surplus.—C.J.—

There is no exemption from purchase tax in favour of surplus stores disposed of by Government departments whether the goods are new or used, and registered persons are liable for tax in the ordinary way whether they sell the goods or appropriate them for the purposes of retail trade or any other taxable use. If, however, the materials are required by registered persons as stock for retail sale or as materials for manufacture, the usual representations should be made to that effect in order to obtain the goods at the tax-exclusive price. Some classes of disposal goods are being sold by the Government at a tax-inclusive price for both registered and unregistered buyers, and in such instances the buyer is entitled to obtain, from the selling department, a written statement in the following terms. "The price is tax-inclusive and, subject to the conditions prescribed by the Commissioners of Customs and Excise, the goods may be resold without liability to further tax." The statement, to be valid, should bear a serial number of the department concerned and should contain a sufficiently full description of the goods to enable them to be identified by the Customs officer. Registered persons possessing such a statement may resell the goods without liability to further tax provided that the goods are (a) kept separate from taxable stock and separate accounts kept to the satisfaction of the local officer of Customs and Excise and (b) resold in the same condition except for any necessary repair or reconditioning. They may be dismantled and the parts sold separately but, if made up into another class of article, they become liable to purchase tax in the usual way.

OVERSEAS TRADE NEWS

Anglo-French Trade.—For the first six months of 1946 British exports to France and the French Empire amounted to £23 million, while French exports to Britain and the British Empire totalled only £8 million.

Palm Oil Mills for West Africa.—The Nigerian Local Development Board has allocated the sum of £60,000 for the erection and operation of twelve oil-expressing mills in the Eastern Provinces of Nigeria.

Philippine Coconut Oil.—One of the largest shipments of coconut oil from the Philippines, about 5,000 drums, has arrived in Shanghai, and further large consignments are expected to follow. Local prices for this commodity are expected to fall as soon as further supplies arrive.

Maximum Prices "Unacceptable."—A New York dispatch states that trading in castor oil remains restricted since the OPA has turned down petitions for higher maximum prices. Dealers in linseed and castor oil claim that the newly announced prices are unacceptable.

Argentine Linseed.—Little change is shown in the second official estimate of the area sown to linseed in Argentina for the 1946-47 season. The area is now placed at 5,041,000 acres as against the initial forecast of 5,036,000 acres and 3,436,000 acres harvested last season.

Indian Import Controls Relaxed.—Over one hundred categories of articles may now be imported into India from countries in the sterling area without licence, according to an announcement made recently by the Government of India. Among the articles no longer subject to import control are dyes derived from coal tar, and china clay.

U.S. "Toiletries" for Men.—Production of cosmetics in the U.S. is at a "rapidly accelerated tempo," particularly in "toiletries" for men, according to an official of the U.S. Commerce Department. Proprietary remedies production, however, was faced with shortages of ingredients and packaging materials.

Argentine Olive Crop.—It is reported from Buenos Aires that the third estimate of the 1945-1946 olive crop places the yield at 8,372,000 kilos, a decrease of 12½ per cent. on the previous crop, though higher than that for 1943-1944 by 18.2 per cent., or 1,300,000 kilos. The drop is said to be due to bad weather, and would be much greater if it were not for the number of new groves which have come into production.

India's Psyllium Crop.—During the war the production of flea seed tended to fall off, though there was no decrease in demand. The 1946 crop is reported by trade sources at approximately 50,000 bags of 168 lb. each, a large output compared with recent years. The general decline in the trend of production is attributed to expansion in cultivation of other crops, such as fennel and cumin.

Malayan Rubber Market Depressed.—Reuter reports that the news that stockpiles of rubber held by dealers, and those in port, totalled over 60,000 tons at the end of August, has further depressed the Singapore rubber market. In addition to this listed rubber, substantial stocks are believed to be piling up as dealers are buying virtually nothing and production is increasing.

Brazilian Export Restrictions.—The Brazilian Minister of Finance has published a list of products, the exportation of which is banned under Article 2 of Decree Law No. 9,647 (August). The list includes the following items of interest to the pharmaceutical and drug trades: Starches of all kinds, including arrowroot; cottonseed; cinnamon, nutmeg, pepper and pimento; vegetable oils, including groundnut oil, babassu oil, ouricuri and palm oils.

Kenya's Pyrethrum Crop.—The crop of insect flowers grown in Kenya in 1945 reached the record figure of 7,409 long tons (2,240 lb.), according to the Pyrethrum Board of Kenya. Production was 13 per cent. greater than the previous record figure, of 6,547 tons in 1944. The Ministry of Supply is to purchase the 1946 crop at the same prices as in 1945. A report states that the extract plant at Nairobi, originally built to supply military needs, may be taken over by a private firm.

Bristles for Tooth-brushes.—Pig bristles used extensively in the manufacture of tooth-brushes are being produced in ever larger volume by China, and it is expected that the trade will soon return to normal. China's annual production of bristles, mainly from the province of Szechwan, before the war, was a little more than 100,000 piculs, or 13,333,000 lb. Over ninety per cent. of this was exported. China produces seventy per cent. of the world's bristle requirements and leads all producing countries in quality as well as quantity. It is reported that Britain and Australia are trying to secure bristles from Chinese sources.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, September 25

ALTHOUGH the holiday interruptions to business are now drawing to a close, trade in the London drug and chemicals markets shows no appreciable return to more active conditions. It is to be expected, however, that as the more seasonal demand becomes apparent, business will show more definite signs of recovery. Price changes during the past week have been small and unimportant. Stocks of a few minor drugs have become exhausted, with no immediate prospect of replacement. Production of PHARMACEUTICAL CHEMICALS continues on a very good scale, with the export demand keeping up to the high level recently experienced. Home demand in this section is routine in character and all prices are stable.

Crude Drugs

Business in these commodities has continued on the quiet, steady note reported throughout the past month, with values fully maintained. Any improvement in business is unlikely until later on in the season. No developments have occurred in the position of AGAR, which continues in good request. Curaçao ALOES is scarce and no Cape may be obtained at present. A substantial demand is being received for ANTIMONY and sales are up to smelters' production capacity. ARECA NUTS are tending dearer at origin, but no change has yet occurred in the spot price. A slightly higher spot rate is quoted for CANADA BALSAW. Chinese CAMPHOR, in 2½ lb. slabs, is now available on the spot. CASCARA SAGRADA is reported in good supply on the spot. CHILLIES and other SPICE products are quiet at former quotations. Egyptian HENBANE is stated to be no longer available on the spot. A good inquiry is being received for JALAP. KAMALA may now be obtained on the spot. RHUBARB is in good demand at prices varying according to quality.

Licences for Dragons Blood

The Board of Trade have informed the Botanical Drug Import Merchants' Section of the London Chamber of Commerce, 69 Cannon Street, London, E.C.4, that they propose to recommend import licences for a limited quantity of DRAGONS BLOOD during the period ending December 31, 1946, and have asked the Section to arrange with the

importers concerned for its importation. For this purpose, therefore, the Botanical Drug Import Merchants' Section will be glad to hear, not later than October 4, 1946, from firms who, during the years 1936 to 1941 inclusive, imported dragons blood. By "imported" is meant arranged the shipment and paid the overseas supplier. On receipt of this information the Section will send qualified importers the necessary form of declaration on which a return of importations can be made and which will form the basis of the Section's recommendations to the Board of Trade.

Essential and Expressed Oils

Prices of these items show no change on the week, with business quiet. No further removals from the scheme of distribution have been notified. A letter received from the Essential Oils Control states that there is no fixed schedule of prices for the ESSENTIAL OILS issued through the control as these vary according to the price stated on the import licence in respect of each consignment.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	Sept. 25
*Alexandria ...	Piastres to £	97½-97¾
Amsterdam ...	Florins to £	10.68-10.70
*Bombay ...	Pence to rupees	1-5 18/—-1-6 1/2
Brussels ...	Francs to £	176½-176¾
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.58-7.62
*Hong Kong ...	Pence to \$	1-2 1/2-1-3 1/2
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02-4.04
New York ...	Dollars to £	4.02½-4.03½
Rio de Janeiro ...	Cruz to £	75.4416
*Singapore ...	Pence to \$	2-4 1/2-2-4 1/2
Stockholm ...	Kroner to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

* Free market rates.

U.S. Drug and Chemical Report

New York, September 20

THE transport strike is seriously affecting distribution of a long list of materials although every effort is being made to maintain schedules on consignments to hospitals, pharmaceutical manufacturers and the trade. Prescription chemicals are moving into a tighter supply position due to

a strike at the plant of one major producer while increasing seasonal demand further complicates the situation. GLYCERIN continues in critically short supply while there has been no indication of an increase in the maximum price. Likewise, no announcement regarding an advance in the maximum price for CAMPHOR has yet been made by the O.P.A. and the domestic material displays a strong tone. Some Chinese camphor has been offered to the U.S. at prices which are regarded by the trade here as far too high. About five tons of MENTHOL are due to arrive here from China although the shipping strike may delay unloading, according to Press reports. COD-LIVER OIL is moving into a firmer position on increased demand from regular consumers.

Of considerable interest to the drug trade is information which reached the Office of International Trade of the Department of Commerce indicating that the Government of Peru is entering the commercial insecticide trade. A minimum price of approximately 14.7 cents per lb. has been established for domestically produced PYRETHRUM in an effort to stimulate production. It is stated that the Flax Commission is to purchase the product at a fixed base price and sell at the best price available on the market granting the farmer the difference between the price received and the basic price. On the CRUDE DRUGS market here, dealers are showing reluctance to accept any sizeable orders at the moment due to the curtailment of imported supplies by the maritime strike. What was probably the first shipment of European PEPPERMINT since the war, arrived here last week from Italy; it consisted of about twenty bales, according to reports. The early resumption of CINCHONA shipments from the Netherlands East Indies is forecast by trade members. The question of "legality" of imported Portuguese ERGOT packed in bags instead of airtight metal containers is arousing considerable interest in the trade here.

The unsettled tone in PEPPERMINT OIL which followed the removal of price maximums earlier this month, continued generally, with the market in a hesitant position. Many growers have been withholding from the market pending clarification; when quoted, dealers are asking between \$7.50 and \$8.25 per lb.—an increase of about \$1 on maximum levels. The first supplies of ANGELICA SEED OIL to appear on the U.S. market in several years were priced around \$115 per lb., which is about \$40 above the average pre-war level. Strikes at the plants of basic

material suppliers to the AROMATIC CHEMICAL trade have reduced output of these products to a minimum.

Pharmaceutical Chemicals

ASPIRIN TABLETS.—Makers quote bulk supplies per 1,000 as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

ATROPINE.—Home trade prices per oz. are steady at: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BARIUM SULPHATE, B.P. (x-ray).—Prices per lb. quoted by makers, in 28-lb.-1 cwt. lots, for home sales, are (containers in brackets): 1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

BISMUTH SALTS.—Makers' prices are as follows (containers in brackets): 7 lb. and under 14 lb., 14s. 2d. (1-lb.), 14s. 1d. (2-lb.), 14s. 0½d. (4-lb.), 13s. 11½d. (7-lb.), 14 lb. and under 28 lb., 13s. 11½d. (1-lb.), 13s. 10½d. (2-lb.), 13s. 10d. (4-lb.), 13s. 9d. (7-lb.), 13s. 8½d. (14-lb.), per lb. CITRATE, 1s. 8d. per lb. over above prices. SALICYLATE, 3d. per lb. over above prices. SUBGALLATE, 3s. 11d. per lb. over above prices. SUBNITRATE, 1s. 3d. per lb. over above prices.

BORAX.—Makers' prices are: B.P. quality, granulated, £38 per ton; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags delivered carriage paid in Great Britain, in 1-ton lots and upwards.

BORIC ACID.—The following are makers' current rates per ton lots of B.P.: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards.

BROMIDES.—No change in quotation for these products. POTASSIUM, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). SODIUM, 1½d. per lb. less, and AMMONIUM, 1½d. per lb. more, than above prices. Prices are net, without engagement.

CITRATES.—Makers' prices unchanged. POTASSIUM, in quantities of 28 lb.-1-cwt., is quoted per lb., as follows (containers in brackets): 3s. 8½d. (1-lb.); 3s. 7d. (4-lb.);

3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET AMMON. CIT. B.P., 3d. per lb. above; SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra. Prices net, one month.

CODEINE.—Prices per oz. current in the home market are: PURE, ½ oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 47s. 9d.; 3 oz., 47s. 9d.; 4 oz., 46s. 9d. HYDROCHLORIDE, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., 42s. 6d.; 3 oz.; 41s. 9d.; 4 oz., 41s. 6d. PHOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; 2 oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. HYDROBROMIDE and IODIDE as PURE; SULPHATE as HYDRO-CHLORIDE.

DIAMORPHINE.—Prices per oz. are: PURE, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDRO-CHLORIDE, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d.

ETHYLMORPHINE.—Current rates per oz. in the home market, are: PURE, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb.-28 lb., in 14-lb. lots, 11½d. per lb.; 28 lb.-112 lb., in 14-lb. lots, 11½d.; 28-lb., 10½d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d.; (4s). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Current rates per lb. are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 6d.; 28 lb., 10s.; 14 lb., 10s. 6½d.; 7 lb., 12s. 0½d.; 4 lb., 12s. 6½d.; smaller quantities, 13s. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 5d.; 14 lb., 10s. 11½d.; 7 lb., 12s. 8½d.; 4 lb., 13s. 4½d.; smaller quantities, 14s. 2d. IODOFORM, B.P.—28 lb., 13s. 7d.; 14 lb., 14s. 1½d.; 7 lb., 16s. 3½d.; 4 lb., 17s. 1½d.; smaller quantities, 17s. 1½d. IODOFORM CRYSTALS, 2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 11d.; 28 lb., 11s. 5d.; 14 lb., 11s. 11½d.; 7 lb., 13s. 9½d.; 4 lb., 14s. 4½d.; smaller quantities, 15s. 10d.

LACTATES.—Prices unchanged, as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

METHYL SALICYLATE.—In fair supply. Smalls are quoted at 2s. 6d. per lb.; winches ters at 2s. 1½d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 1½d.; 5 cwt., 1s. 1½d. All prices net.

MORPHINE.—Prices per oz. current in the home market are: PURE, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d. BIME-CONATE and TARTRATE, as PURE; ACETATE, HYDROBROMIDE and SULPHATE, as HYDRO-CHLORIDE.

PHENOL-THALEIN.—Current prices are unchanged: 1 cwt. 4s. 10d. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5-cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms net, carriage paid to nearest station, containers extra and returnable.

PULV. BISMUTH. CO., N.F.—Current rates per lb. in the home market, in quantities of 28 lb.-112 lb., are as follows (containers in brackets): 2s. 9d. (1-lb.); 2s. 8d. (2-lb.); 2s. 7½d. (4-lb.); 2s. 6½d. (7-lb.); 2s. 6d. (14-lb.); 2s. 5d. (28-lb.).

SANTONIN.—Prices are unchanged: 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter kilo, £48 per kilo, carriage paid in U.K.

THEOBROMINE.—Prices per lb., in quantities of 28 lb., are as follows: ALKALOID, B.P.C., 30s. 6d.; CALCIUM SALICYLATE, 19s. 3d.; SODIUM SALICYLATE, 19s. 3d.

VANILLIN.—Prices unchanged. 5-cwt., 22s.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller parcels, up to 23s. 6d. per lb., as to quantity.

Crude Drugs

AGAR.—No further news has been received of supplies from Chinese or Japanese sources. The controlled price is 30s. per lb.

ALOES.—Inquiry continues for Curaçao which is very scarce. Spot is quoted at from 270s. to 290s., per cwt.; forward, 250s., c.i.f. No Cape is available at present.

ANTIMONY.—In substantial demand. Quotations unchanged at the official price of £132 10s. per ton, delivered, for mini-

mum 99.6 per cent. regulus, £120 for minimum 99 per cent. regulus, and £105 for 70 per cent. crude.

ARECA NUTS.—Market continues quiet with prices unchanged. Spot, 65s. per cwt.; shipment, 55s. c.i.f. Prices at origin tend to be dearer.

BALSAMS.—*Canada* is quoted slightly dearer at 14s. 9d. per lb., spot. *Peru*, duty paid, 8s. ; in bond, 7s. 6d.

BENZOIN.—Good-quality Sumatra grade is quoted on the spot at £25 per cwt. A parcel afloat is offering at the same price.

BISMUTH.—The quotation for high-grade metal is steady at 9s. per lb., in minimum 5-cwt. parcels.

BUCHU LEAVES.—Market continues quiet, with the price steady at 4s. 9d. per lb.

CAMPHOR.—Chinese, in 2½-lb. slabs, is quoted at 12s. per lb. on the spot, duty paid. English synthetic, in limited quantities, 8s. 3d. per lb.

CAPSICUMS.—East African, on stalk, 14os. per cwt., on the spot.

CARDAMOMS.—Limited supplies of Aleppy seeds are reported near at hand, at 8s. per lb. ; Mangalore heavy, 6s. 6d., on the spot.

CASCARA SAGRADA.—In good supply. Quoted at from 28os. to 285s. per cwt., landed, duty paid.

CASCARILLA.—Quills, on the spot, quoted at 2s. 9d. per lb.

CHAULMOOGRA.—*Hydnocarpus* is obtainable on the spot at 2s. per lb., in tins in cases.

CHILLIES.—Market is steady. Spot, Mombasa, quoted at 165s. per cwt., sellers ; September-October, 140s. c.i.f., buyers' licence. Sierra Leone, 150s., on the spot ; Nigerian, 140s.

CINNAMON.—Business is quiet. Chips are quoted from 1s. 11d. to 2s. per lb., ex store ; quills, 3s. 3d. per lb.

CLOVES.—Some inquiry, but the market is quiet. Zanzibar, London, spot sellers at 11½d. per lb. ; afloat, 10½d. ; shipment, September-October, at 10½d. per lb., c.i.f., buyers' licence.

COCHINEAL.—Quiet market continues with prices steady. Spot, silvers offerings at 5s. 6d. per lb., and blacks at 5s. 9d.

COCONUT (DESSICATED).—The maximum controlled price continues at 74s. 8d. per cwt., ex store.

COCOA BUTTER.—Controlled price unchanged at 1s. 5½d. per lb., ex factory or warehouse, except under licence.

COLOCYNTH.—Market continues rather quiet with prices steady. Spot, good white pulp, is quoted at 2s. 9d. per lb.

DIGITALIS LEAVES.—Portuguese continue to be quoted on spot at from 130s. to 140s. per cwt., ex store, and English-grown at 2s. 6d. per lb.

ERGOT.—Spot prices unchanged at 6s. 9d., to 7s. per lb. Business is restricted in volume.

GALBANUM.—Supplies are quoted at 7s. 6d. per lb., in bond.

GINGER.—Market continues quiet with prices a shade easier. Jamaican No. 1, 130s. per cwt. ; No. 2, 110s. ; No. 3, 105s. ; No. 3, c.i.f., 80s. African, on the spot, at 82s. 6d.

GUM ACACIA.—Kordofan cleaned sorts may be obtained at 75s. per cwt. on the spot ; bleached, steady on spot, 150s. per cwt. ; Talha, cleaned, 42s. 6d.

GUM MASTIC.—Limited supplies are quoted on spot at 18s. 6d. per lb.

HENBANE.—Quoted unchanged on a slow market. Indian leaf is available on the spot at 250s. per cwt. ; Egyptian (*muticus*) is no longer obtainable.

JALAP.—Inquiry continues. Vera Cruz material, testing 12 per cent., would sell at about 3s. 6d. per lb.

KAMALA.—Spot supplies are now available at 3s. per lb., landed.

KARAYA GUM.—No. 1 Indian gum, steady on the spot at 200s. per cwt.

KOLA NUTS.—Market has been quiet ; values quoted unchanged. African quarters, 8d. per lb. ; African halves, 6d. ; Jamacian washed halves, 7d.

LIQUORICE ROOT.—Market quiet, quoted unchanged. Values steady. Natural Anatolian, spot, 85s. to 90s. per cwt. ; cut, 110s.

MENTHOL.—Business continues quiet. Brazil is quoted from 41s. to 42s. per lb., f.o.b. Chinese, on the spot, 50s. ; afloat, 47s. 6d. per lb., landed, duty paid.

NUTMEGS.—Prices nominal. Spot, West Indian, 80's, 5s. per lb. ; sound unassorted, 4s. 9d. ; wormy and broken, 4s. 6d.

NUX VOMICA.—Prices unchanged. Mangalore, 40s. per cwt., on the spot ; Cochin, spot, 45s. ; shipment, 39s. c.i.f.

ORANGE PEEL.—Values unchanged, market dull. Spanish quarters are at 2s. 9d. per lb., and sweet ribbon at 2s. Fine-cut Tripoli would be worth 4s. 9d. to 4s. 10½d. on the spot.

PAPAIN.—East African is quoted on the spot at 23s. per lb.

PEPPER.—Maximum controlled prices are unchanged. Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white pepper and 1s. per lb. for black pepper. Picked over and cleaned, 1s. 8d. and 1s. 2d. per lb., respectively. Lampung black, September-October shipment, fractionally easier at 2s. per lb., c.i.f., sellers; white Muntok, September-October shipment, fractionally easier at 2s. 3½d., c.i.f., sellers.

PIMENTO.—Business continues quiet, with prices steady. Spot, 1s. 1½d. per lb., sellers; shipment, 122s. 6d. per cwt., c.i.f., buyers' licence.

QUILLIA BARK.—Business is small at steady values. Natural bark is at about 125s. per cwt., spot; cut at about 150s. per cwt., ex store.

RHUBARB.—Demand continues, with prices fairly steady. Good-quality material is quoted from 12s. 6d. to 13s. Common-round, with a two-thirds pinky fracture, ranges from 11s. to 12s. 6d. There is some lower-quality material quoted at 10s. 6d. per lb.

SEEDS.—**ANISE.**—Chinese, 190s. per cwt., ex warehouse London. **CORIANDER.**—Spot, Indian 90s. per cwt.; Morocco, 82s. 6d.; ex wharf London. **CELERY.**—Spot, Indian, 1s. 6d. per lb., ex wharf London or Liverpool. **CUMIN.**—Spot, Morocco, nominal, 205s., duty paid; Indian, 220s. **DILL.**—Spot, Indian, 70s., ex wharf London or Liverpool. **FENNEL.**—Spot, Indian, 160s., ex wharf London. **FENUGREEK.**—Spot, Indian, 67s. 6d., ex wharf London.

SENEGA.—Business continues in Canadian root with values unchanged at 14s. to 15s. per lb., landed London. It is reported that American material is offering at 11s. 6d. per lb., c.i.f. There is a 10 per cent. duty on this material.

SENNA.—A report on the senna crop of the Madras Province for the period ended June 30, 1946 ("The Indian Trade Journal"), states that as a consequence of favourable weather the estimate for the senna crop has been raised to 27,000 cwt., compared with the previous estimate of 18,000 cwt. The qualities of arrivals so far are normal. Satur shows the usual large admixture of impurities, between 25 to 40 per cent. Tinnevelly leaves are clean and show a fine colour. Demand from Bombay and Calcutta is steady and good, mainly for lower quantities. Inquiries from Europe and the U.S. are still irregular and foreign exchange restrictions are a hindrance to free

buying. Prices offered from overseas are very erratic and are, on an average, far below what is demanded locally for sound senna. During the three months ending June 30, 1946, the local prices averaged about Rs. 175 per candy at 500 lb. for uncleaned Satur leaves; about Rs. 225 to Rs. 260 for Tinnevelly leaves. Overseas markets offered an average of Rs. 125 for Satur and about Rs. 190 for Tinnevelly leaves.

TRAGACANTH.—Limited business with prices steady. Selected grades are quoted at £155 per cwt. Prices of medium grades are as follows: No. 1, white, £145 per cwt.; No. 2 white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Madras finger, on spot, remains steady and unchanged at about 95s. per cwt., ex wharf London, and 92s. 6d., ex store, Liverpool.

VALERIAN.—Belgian root is quoted at about 245s. per cwt. on spot.

WAXES.—Business continues quiet. **CARNAUBA.**—Fatty grey, spot, 1,040s. per cwt.; chalky, 1,000s.; prime yellow, 1,180s.; fatty grey, afloat, 1,010s.; prime yellow, afloat, 1,150s. **OURICURI.**—Spot, 680s., untested; shipment, September-October, 6 per cent., 568s., c.i.f. **CANDELLIA.**—Spot, 475s. per cwt.; to arrive, 465s. landed. **BEES'**.—Quoted as follows: Dar-es-Salaam, spot, 340s. per cwt.; shipment, 340s., c.i.f.; Benguela, spot in bond, 315s.; shipment, nominal, 295s.; Sudanese, 315s. on the spot, in bond; Lindi, spot, 337s. 6d.; shipment, 335s.

Essential and Expressed Oils

CASTOR.—The controlled prices for the period ending September 28 are as follows: "Firsts," £110 per ton; "seconds," £108, naked, ex works.

CLOVE.—Quotations from English distillers of bud oil are unchanged at 12s. per lb.

COCONUT.—Quotations for crude oil are £49 per ton; refined deodorised, steady at £56. Refined hardened deodorised, £60.

COTTONSEED.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined, edible, £57; refined deodorised, £58, naked, ex works.

GROUNDNUT.—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°-52°, £63.

TRADE MARKS

(From "The Trade Marks Journal," September 11)

- "KLENTREX"; for liquid solvent soap (3). By Hull Chemical Works, Ltd., Kirkby Street, Hull. 638,298.
- Bird in circle design; for polishes and cleaning preparations (3). By Evode Chemical Works, Ltd., 22 Stone Road, Stafford. 641,032 (Associated).
- "SULEO"; for pharmaceutical preparations and substances for human and veterinary use, insecticides (5). By Jeyes' Sanitary Compounds Co., Ltd., Richmond Street, Plaistow, London, E.13. 640,165.
- "MEV"; for all goods (5). By McNaught, McNaught & Evans, Heathbank, Hoylake Road, Moreton, Wirral, Cheshire. 640,474.
- "FONTAMIDE"; for pharmaceutical, veterinary and sanitary substances consisting of amides (5); "PULVO-FONTAMIDE"; for pharmaceutical, veterinary and sanitary substances in powder form, all consisting of amides (5); and
- "FONTARSOL"; for pharmaceutical substances for human and veterinary use, sanitary substances, materials prepared for bandaging, and disinfectants (5). By Société des Usines Chimiques Rhône-Poulenc, 21 Rue Jean-Goujon, Paris (8e), France. 640,741,47,40 (Associated).
- "BILE BEANS" (B disclaimed); for medicines for human use (5). By C. E. Fulford, Ltd., 58 Carlton Cross Street, Carlton Hill, Leeds. 641,641 (Associated).
- "PALACRYL"; for acrylic-resin plastics prepared for use in the manufacture of dental prostheses (5). By Stafford Palin, Ltd., Fisher's Court, New Cross Gate, London, S.E.14. 641,328.
- "DOG-AN-OL"; for medicated ointment for treating dogs (5). By Charles Pearson, 62 Maldon Road, Witham, Essex. 641,272.
- "ASMAGEN"; for pharmaceutical preparations for use in the treatment of asthma (5). By W. D. Aitcheson, 22 Cumberland Street, Glasgow, C.5. 640,969.
- "ELFIN"; for spectacles and spectacle frames (9). By H. R. Cousins, 54 Egremont Road, West Norwood, London, S.E.27. 641,866.
- "PRANICA"; for medical and therapeutic appliances (10). By Dewanchand Varma, 85 Park Mansions, Knightsbridge, London, S.W.1. 641,493.
- "RADADD"; for surgical, medical, dental and veterinary instruments and apparatus (10). By Multitone Electric Co., Ltd., 223-27 St. John Street, Clerkenwell, London, E.C.1. 641,675.
- "SUPRAL"; for brushes included in this class and brooms (21). By H. Mowe & Sons, 34a Margaret Street, Bury, Lancashire. 640,879.

(From "The Trade Marks Journal,"
September 18, 1946)

- "NERVAN"; for chemical products for use in the textile industry (1). By Norman Evans & Rais, Ltd., Dudley Road, Manchester. 16. 638,372 (Associated).
- "EARLY PEG"; for soap and washing powders (3). By Archibald Walter Keeble, The Retreat, Avenue Road, Rushden, Northamptonshire. 639,787.
- "GOLD SPOT" superimposed on circle; for perfumery, toilet preparations (not medicated), cosmetic and depilatory preparation, dentifrices, toilet articles (not included in other classes), sachets for use in hair waving, soaps and essential oils (3). By Ashe Laboratories, Ltd., 120-22 Victoria Street, Westminster, London, S.W.1. 639,420 (Associated).
- "MEXYL"; for tooth-paste (3). By Laboratories Mexyl, S.A., 4 Place Neuve, Geneva, Switzerland. 641,726.

- "GRIFFEX"; for toilet creams (not medicated) for the skin (3). By The Burlington Laboratories, 184 Sewerby Road, Bridlington, Yorkshire. 641,875.
- "EVOCATION", "TAMBAR" and "MAVONNE"; for bath salts, talcum powder, face powder and face cream, all being non-medicated toilet preparations; lipstick, soaps, perfumes, dentifrices, hair lotions and brilliantine (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 641,866 and 641,899; 641,900.
- "ULMEX"; for infants' and invalids' foods, and dietetic foods (5). By Potter & Clarke, Ltd., 60, 62 & 64, Artillery Lane, London, E.1. 639,868 (Associated).
- "SYLOCOL"; for cough mixtures (5). By Percy Smith, 6 Silkstream Parade, Burnt Oak, Edgware, Middlesex. 640,152.
- "SULFONTAMIDE"; for pharmaceutical, veterinary and sanitary substances, all consisting of amides (5). By Société des Usines Chimiques Rhône-Poulenc, 21 Rue Jean-Goujon, Paris 8 (e), France. 640,744 (Associated).
- "GOLDEN RAYS"; for lotions for the treatment of sunburn (5). By Laboratoires Docteur N. G. Payot, 10 Rue de Castiglione, Paris, France. 640,929.
- "DEXIN"; for pharmaceutical preparations for human and veterinary use (5). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 641,222 (Associated).
- "BENZTRONE"; for pharmaceutical preparations and substances, being benzine derivatives (5). By Paines & Byrne, Ltd., Pabayn Laboratories, Bilston Road, Greenford, Middlesex. 641,430.

COMING EVENTS

Tuesday, October 1

CROSBY PHARMACISTS' ASSOCIATION, Waterloo House, 7 Crosby Road South, Waterloo, Liverpool, at 8 p.m. Annual meeting.

MANCHESTER PHARMACEUTICAL ASSOCIATION AND BRANCH, Manchester College of Technology, at 7.30 p.m. Opening lecture of refresher course. Lecturers: Mr. J. W. Lightfoot, M.Sc., Ph. C., and Dr. Jackson.

Wednesday, October 2

OXFORD AND OXFORDSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Oxford Town Hall (Committee Room), Saint Aldates, Oxford, at 7.30 p.m. Mr. R. H. Kemp, Ph.C. (local organisation officer, N.P.U.), on "The National Health Service and Other Matters."

WOLVERHAMPTON CHEMISTS' ASSOCIATION and BRANCH, Beattie's Restaurant, Wolverhampton. Annual dinner and dance, 7 p.m. till 12 p.m. Tickets 10s. 6d.

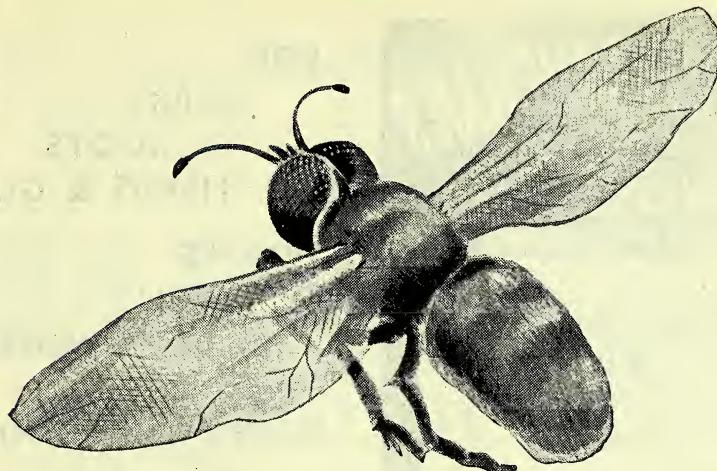
Thursday, October 3

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Original papers on "The Crystal Structure of Pyrene: a Quantitative X-ray Investigation," and "The Redistribution and Desorption of Adsorbed Gases."

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Mr. P. Hey, Ph.C., on "Drugs Old and New."

Sunday, October 6

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Redes Mere and Gawsorth. Meet at N.W. bus station, 8.45 a.m.



.... everything but the bottles

It is very disheartening to us to have to publish this advertisement—but we have no option. We simply cannot meet anything like the demand for 'Pineate'—due, again, to the great bottle shortage.

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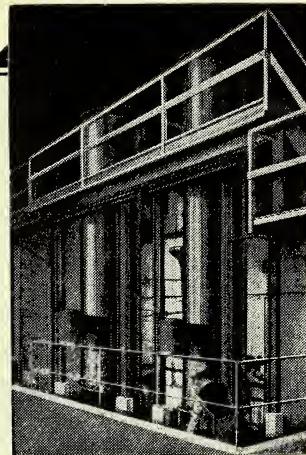
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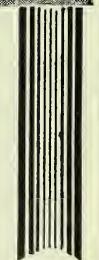
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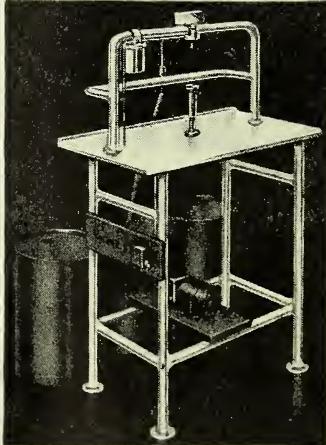
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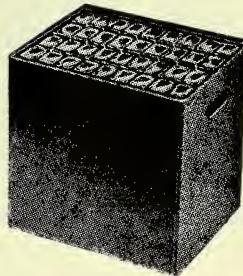
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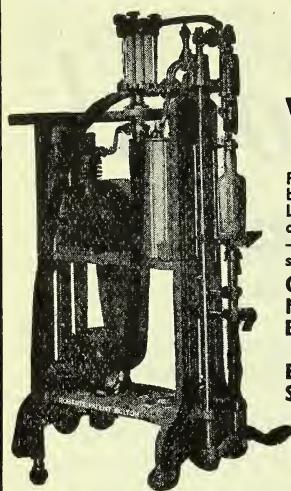
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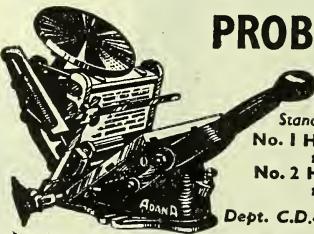
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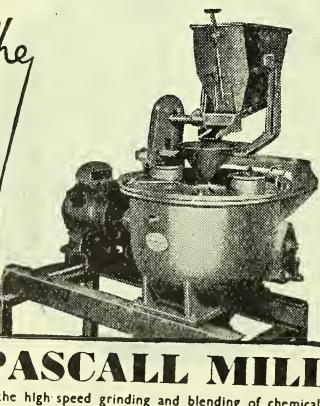


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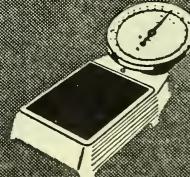
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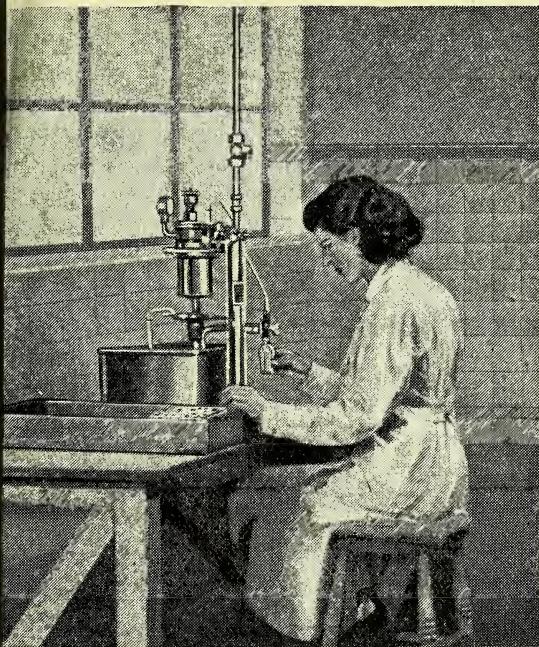
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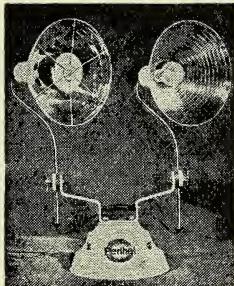
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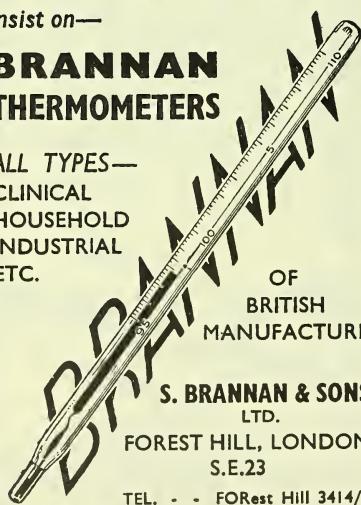
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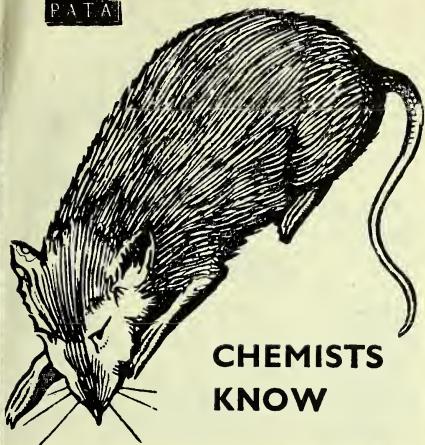
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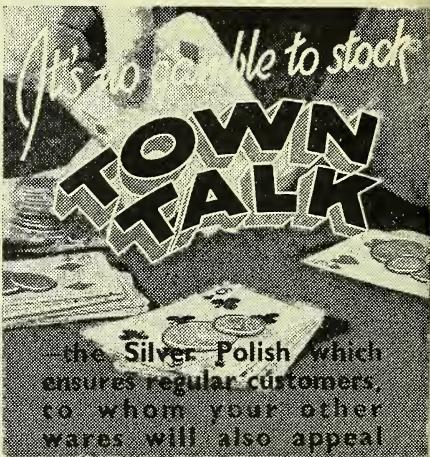
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WILLIAM EDGE & SONS Ltd

BOLTON ENGLAND

OR FROM YOUR USUAL WHOLESALE HOUSE

Prizes and Profits —or both!

Hundreds of pharmacists up and down the country were indirect prize winners in the recent Simpson's Foot Ointment Window Display Competition. Their efforts, their ingenuity and their co-operation in this, the first post-war window display competition, have earned for them in many cases a return in excess of some of the cash prizes offered. For the first time they have discovered the great volume of sales that can be made on this high profit-ratio product—Simpson's Foot Ointment.

Several pharmacists who toyed with the product a year ago in two or three dozen lots actually wired us to rush gross orders to them, so strong was the demand for this product once it had a really visible show in their windows. Some of these pharmacists have made, in the profit on this turnover, sums equivalent to

many of the larger money prizes we have been privileged and happy to present to the outstandingly successful windows. The latter pharmacists have, of course, gained a double reward—the high profit out of the accelerated sales and the money prize as well. It has given us very great pleasure to present to our friends in the trade no less than 65 cheques ranging from £2 2s. od. to £200 apiece.

All could not be prize winners. But to all is owed our sincere thanks for their co-operation. To every pharmacist who entered we say—*thank you sir*. And, after all, the real inducement to display Simpson's Foot Ointment is amply provided in the line itself. Besides being the leader in its field it offers the largest margin of profit of any foot preparation on the market. And it's C.F. !

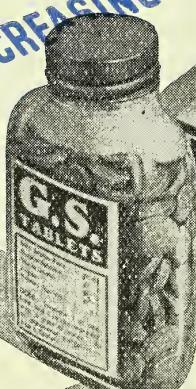
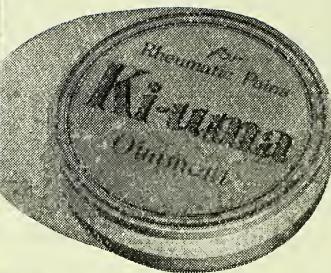
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J. W. SIMPSON (Chemist) LTD., IODINE HOUSE, MUSEUM STREET, W.C.1.

5 PRODUCTS OF
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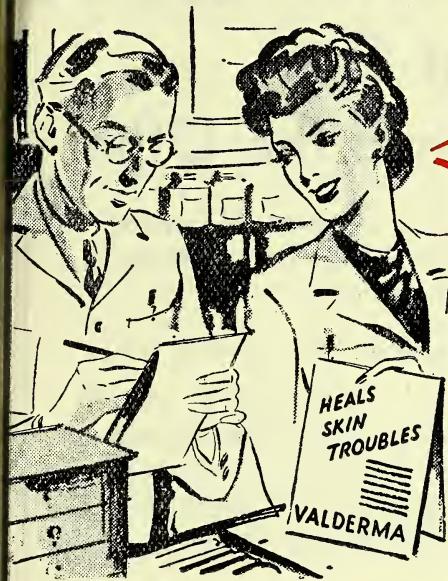
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P.A.T.A.

DON'T LET THIS HAPPEN TO YOU !



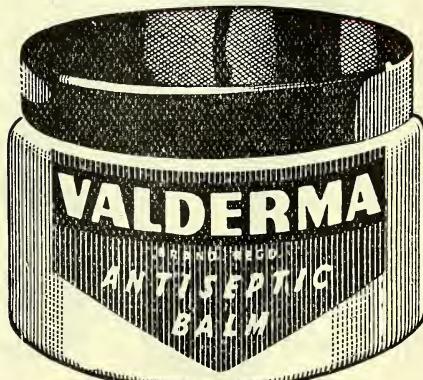
WE'RE
OUT OF
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AGAIN!

**Always Keep a Good Stock
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Valderma has quickly established itself with the Public as the leading Antiseptic Balm. The whole Trade has confirmed this public preference. It will be maintained (a) because Valderma is a fine product; (b) because powerful advertisements are seen by over 35,000,000 people every month! Make sure you get your share of this good business. Keep a good stock of Valderma in hand.

ORDER TODAY. STANDARD SIZE 2/- a jar including tax. Trade price 15/- per doz. Purchase Tax 2/6 per doz.

LARGE SIZE 3/6 a jar including tax. Trade price 26/- per doz. Purchase Tax 4/4 per doz.



If You're out of One Recommend the Other

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two kinds of Parmint and their three sizes.

All our press advertising features both Parmints and mentions all their prices.

At the moment the 1/5 ready for use Parmint Syrup is in short supply. If you are temporarily out of stock, recommend your customers to take a 2/10 bottle or a 3/1½ bottle of the Parmint Concentrated Essences.

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P.A.T.A.

and



PARMINT

Concentrated Essences

and

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DIODO-HYDROXYQUINOLINE

available for prompt or future delivery, in highly purified form suitable for medicinal purposes (treatment of amebic and bacillary dysentery). DIODO-HYDROXYQUINOLINE LEMKE, chemically is 5, 7-diodo-hydroxyquinoline—a light, tannish powder containing 63-64% organically bound iodine and no free iodine or harmful impurities.

Be sure to specify DIODO-HYDROXYQUINOLINE LEMKE for dependable quality and repeat orders.

Prices and literature available on request.

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Why would you grant your agency to any newly established firm in Egypt?

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puts at your disposal its large organisation, with a background of fifty years experience in the pharmaceutical and drug trade, as well as in perfumery and cosmetics.

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These are at the root of banking, and greatest among them is character. In the words of George Rae, distinguished head of a renowned country bank absorbed into the Midland system: “The leading subject of . . . daily education as a banker will be to learn whom to trust”.

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•Have you a

PETS CORNER?



Have you weighed up the idea of making the dogs and cats in your district into customers? Pet welfare is becoming an increasing public interest. Pet owners are consulting experts about the health of their dogs and cats. Every chemist can turn these facts to profitable advantage by stocking George Bell's Blood Salts for Dogs, and Cat Powders

Send for trade price list to

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CAT POWDERS

D-DETH .. G-HEX RESULTS OF WINDOW DISPLAY COMPETITION 15th July—14th September First Prize £21

Of the many clever entries received, two were outstandingly brilliant, and the judges divided the 1st prize between

Mr. S. ROBINSON, M.P.S.
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T. BROWN (Chemists) LTD.
51 London Road, Stockton Heath,
who receive £10 10s. 0d. each.

£1 CONSOLATION PRIZES

Eleven consolation prizes of £1 were awarded as follows :—Miss Baron, M.P.S., 9 Preston Road, Standish ; Mr. Began, M.P.S., Bridge Street, St. Helens ; Bolton Co-operative Society Ltd., Drug Dept., Bolton ; Mr. C. Clowes, M.P.S., Market Street, St. Helens ; Mr. P. Grant, M.P.S., 296 Old Chester Road, Rock Ferry ; Mr. Halgate, M.P.S., 10 Albert Road, Widnes ; Mr. G. H. Harrison, M.P.S., 156 Roose Road, Barrow-in-Furness ; Mr. S. Lawson, M.P.S., 47a Church Street, Runcorn ; Mr. H. Ridehalgh, M.P.S., 712 Wimborne Road, Bournemouth ; Mr. Rogers, M.P.S., Horsemarket Street, Warrington ; Mr. Weston, M.P.S., 80 Argyle Street, Birkenhead.

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THE WORLD'S
LARGEST-SELLING
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CORKS! STOPPERS. ETC.

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CAMPERDOWN ST. & GT. ALBE PT.
LONDON, S.I.
Established 1844



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RAZOR BLADES

Supplies are short but definitely worth asking your wholesaler for. Twenty-five years reputation for finest quality still maintains

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Advertising as soon as present
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THE LATEST IN ANTISEPTIC DUSTING POWDER

Soothing and harmless
to the most deli-
cate skins

DERMASEPT

Specially prepared for
the treatment of soreness,
chapped surfaces, burns, abrasions,
cuts, etc., and indicated in all cases
of skin eruption.

Agents apply to manufacturers:

LEWIS (IMPORT & EXPORT) LTD.
232, Great Portland Street, London, W.I.

Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (Protected)	Net Wholesale Price
Virus for Rats and Mice, single tube,	2/- 15/- per doz.
3 tubes, 5/-	
Virus for Mice only single tubs, 1/6	9/- "
3 tubes, 3/-	
Date-expired tubes returned to us postage paid will be exchanged free of charge.	

Danysz Virus in Liquid Form

Retail Price	Wholesale Price
Bottles 6/- each	... ... ... 4/6 each
" 4/6 "	... ... ... 3/9 "

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25 p.c. Monthly Account, or 33½ p.c. Cash with Order.

Retail	Monthly A/c	Cash with Order
½ gall. tins 10/-	... 7/6	... 6/8
" 18/-	... 13/6	... 12/-
5 " 80/-	... 60/-	... 53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, etc.

Retail Prices (Protected)	Wholesale Prices
In cartons 9d. each	... ... 6/9 per doz.
1/6 "	... ... 13/6 "
3/- "	... ... 27/- "

Danzo Beetle Powder will not deteriorate by keeping.
CARRIAGE PAID ON ALL ORDERS

To be obtained from
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The rush Season for INFLUCOL is on us NOW

—because of the Common Cold, the public want all the INFLUCOL that we can supply—we are doing our best. Give it prominence.

If there is delay in supplying stock during this seasonal pressure of business, we regret it is unavoidable.

Please let us know your requirements—NOW—

Compound Oral Vaccine ★ TO PREVENT & TREAT COLDS

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Containers of Metal,
Glass, Aluminium
and Plastic.

PERCENTA LTD. (Dept. No. 23),
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VITAMIN B₁
YEAST TABLETS

Each ounce contains a natural Vitamin B₁ potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1·4 mgm. of Riboflavin, and 5·6 mgm. Nicotinic Acid. Each tablet contains 100 I.U. (approx.) Vitamin B₁.
100 TABLETS 3s. 9d.
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THE DISTILLERS CO., LTD.
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Made from Plastics —
strong, pliable. Prompt
deliveries. Write for
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Dust Comb
MADE IN ENGLAND

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ATHERMOGENE VAPOUR RUB



If you are asked for "a jar of T.V.R."
—this is what is wanted

Made by the makers of THERMOGENE MEDICATED WADDING

FENNINGS

FAMOUS FOR OVER 80 YEARS

[P.A.T.A.]

FENNINGS' FEVER MIXTURE 1/3 a bottle

(If difficult to obtain write direct to Messrs. SUTTON & SONS, 12 Brandon Rd., London, N.7.)

FENNINGS' LITTLE HEALERS

For Coughs, Colds, Bronchitis, etc. 1/3 and 3/-. Also 6/- Carton of 12 Packets, retailing at 6d. each.

FENNINGS' OINTMENT. Demand Steadily Increasing

For Cuts, Burns, Bruises, Chilblains, etc. 1/3 a tin

FENNINGS' WORM POWDERS

FENNINGS' STOMACH STRENGTHENERS

FENNINGS' RHEUMATIC DROPS—

} 1/3 and 3/- boxes

1/3 a bottle

Please address orders and inquiries to your Wholesaler

N.B.—FENNINGS' POWDERS (Children's and Adults')

The supply position is improving, and larger quantities will soon be available

PROPRIETORS: THE TRUSTEES OF ALFRED FENNINGS (DECEASED)
COWES, Isle of Wight

**For health and
hygiene in the home**



Boon Products embody new ticeptics, of higher, more uniform rmicidal power than those previously ailable. 2. New bases enhance the aling efficiency of these antiseptics.

Boon Products are pleasant to use, n-poisonous, non-irritant, non-stain-
g. Full particulars (packing, terms,
c.) from the Sole Distributors to the
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S. MAW, SON AND SONS LTD.,
Aldersgate House, New Barnet, Herts.
nfrs: P. A. C. CHEMICALS LTD., EPSOM, SURREY

A 'LEDA' PRODUCT



LEDA DUSTING POWDER

A FINE BORATED POWDER, ATTRACTIVELY
PACKED IN SPRINKLER TINS

A sales-compelling 1/6d line you
must keep in stock. Supplies ob-
tainable from your usual wholesaler

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TELEPHONE : ARCHWAY 4877.

Sole Agents for N. Ireland :
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Sole Agents Scotland :
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**ONE TABLET AT NIGHT
ENSURES SOUND SLEEP**
**WIDELY ADVERTISED
ORDER NOW**

Tube of 12 TABLETS 2/6 Taxed.

SOMINOX Regd
"SLEEP AT NIGHT"



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Minor burns from various causes respond quickly to the application of Butesin Picrate Ointment. The anaesthetic and analgesic value of this local treatment is so pronounced that the intense pain speedily subsides after application and subsequent infection is generally prevented. Butesin Picrate Ointment can also be recommended in the treatment of non-specific ulcers, skin lesions in minor lacerations and abrasions. Always ready for instant use. Available in 1 and 2 oz. tubes and in 1 lb. and 5 lb. jars.

**BUTESIN PICRATE
OINTMENT**
 (Abbott)

ABBOTT LABORATORIES (ENGLAND) LTD.
 Wadsworth Road, Perivale, Middlesex



Dr. White's —



Manufactured only by
 J. F. WHITE & CO., LTD.
 Lovington Laboratory, Bermon St., Leeds, 7

**PRITCHARD'S
TEETHING POWDERS**

APERIENT
**PRITCHARD'S
COOLING POWDERS**
 NON-APERIENT

1/3 (20 Powders). 6/- (96 Powders) Inc. Tax
 The 6/- Size Sold at 1d. each — Good Profit.

Pritchard's Ltd., Cheadle, Cheshire, Eng.

SUPPLIES ARE STILL LIMITED



PATA



Now that Peace has at last returned to the World we wish to extend our grateful thanks and appreciation to all our friends for their kind co-operation in the past six years of difficulty.

We shall continue to give the best service we can during the period of reconstruction and feel sure that we shall have their confidence and sympathy until such time as trade conditions become more normal.

W. T. OWBRIDGE Ltd.
The Laboratory
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**THE "BEST SELLER"
THAT PAYS YOU TO STOCK**

**FOR 30 YEARS THE
PEOPLES REMEDY for
HEADACHES·COLDS·CHILLS
AND INFLUENZA**

Powders 2d. each, 1/3 per pkt.
Tablets 1/3 per bottle, 3½d. per pkt.

M. CALTHORPE & Co. Ltd.
Manufacturing Chemists
OSSETT. Sole Distributors

**POWDERS
AND
TABLETS**

**HOUSEWIVES ARE BEING TOLD
THAT IT'S OATREX FOR**



The question of the hour is food and how families can get the most goodness out of available supplies.

OATREX is giving the answer in wide regional press advertising. It is telling how OATREX, prepared from the finest Scottish oats is rich in valuable "OATRITION" for building health and vitality.

Retail selling prices: Medium Ground (Green label) 1 lb and 2 lb. 1/4 and 2/6. Fine Ground (Red label) 1 lb, and 2 lb. 1/5 and 2/8.

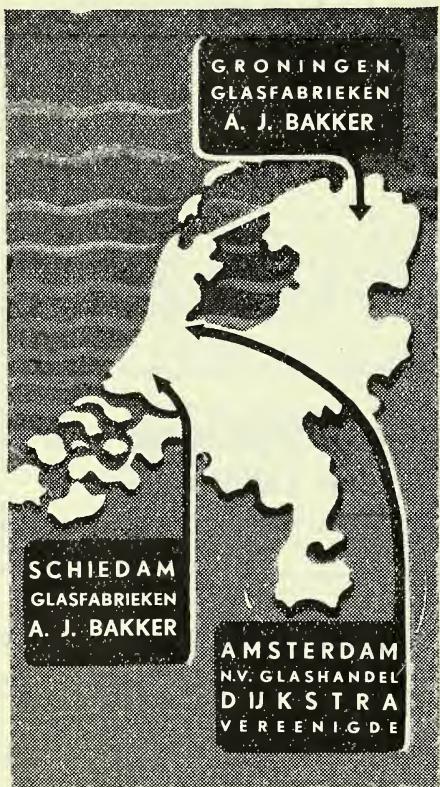
*A Product of George King, & Co. Limited,
Kingsbury, London,
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OATREX

KING'S FAMOUS PRE-COOKED OATMEAL

Enquiries to Kings of Kingsbury (Sales) Ltd., 1, London Bridge S.E.1

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We are interested in:

PACKING MATERIAL for the pharmaceutical & cosmetic line,
UTENSILS & APPARATUS for the pharmaceutical line,
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NURSING-REQUISITES.

All articles will be considered which are bought by:

Chemists, Druggists, Doctors, Veterinary Surgeons, Hospitals, Laboratories, Pharmaceutical & Cosmetic Works.

We are not interested in drugs, chemicals, or wound-dressing requisites.

Please address your offers to:

GLASFABRIEKEN A. J. BAKKER
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LAX-VITA LTD.

take pleasure in announcing that they have been appointed sole selling agents for the Home and Export markets of—

Wunda-Wash

THE Soapless Washing Powder
Selling at 7½d. per packet.

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Bromiltone

Soapless Shampoo

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Write for details to:—

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66, Victoria St., London, S.W.1.

DR. NIBLETT'S VITAL RENEWER NERVE SEDATIVE

TRADE TERMS—33½% to Chemists or through your Wholesaler.

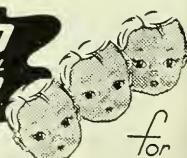
Retail Price 5/- per bottle, including tax

Prepared by C. P. NIBLETT Est. 1870
10, Lichfield Terrace
RICHMOND, SURREY Phone RIC 3221

**DEMAND
IS GROWING AND STILL
GROWING**

You can recommend Drury's Infants' Preservative with every confidence. It is safe, effective, and a most excellent remedy for Wind, Spasms, Griping pains, and other distressing complaints incidental to infants at the period of cutting their teeth.

DRURY'S PHARMACEUTICALS LTD. NEWARK ON TRENT



DRURY'S
INFANTS
PRESERVATIVE

MACAULAY'S *Family* **LUNG SYRUP**



FULLY SUPPORTED
BY NATIONAL
ADVERTISING

Heavier demand than usual expected. Chemists urged to replenish stocks as soon as possible.

The public know and value MACAULAY'S
LET THEM SEE YOU STOCK IT

Available from your usual wholesaler or from
HEY & WEEKS LTD., Mitcham Rd., London, S.W.17

"**Simpkin's Glucose Confections again!**"

says M.VITALITY

Now that Simpkins Glucose Confections are de-zoned please tell us number of points you have available and we will at once inform you of our ability to supply under M.O.F. regulations.

GLUCOSE MEDICATIONS

Distribution by allocation will continue as hitherto. You are invited to apply immediately stating whether you are a datum or non-datum year purchaser chemist.

VITA GLUCOSE

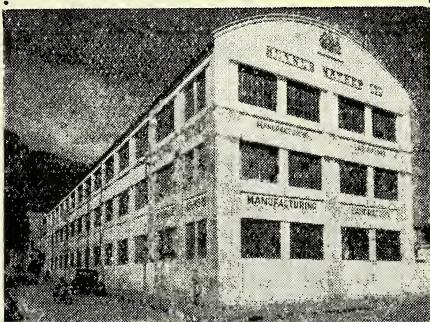
Supplies available for Diabetics only.

Simpkin's
of Sheffield



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ESTABLISHED 1836



CAPE TOWN

SOUTH AFRICAN MARKET

The attention of British manufacturers is directed to the economy that can be effected by having their Patent and Proprietary preparations produced and marketed in South Africa.

In our well-equipped modern factory controlled by a highly qualified and experienced staff we now act for a number of overseas houses who can testify to our ability and integrity.

★ Enquiries are solicited through our London representatives:

DAVIS & SOPER LIMITED

54 ST. MARY AXE, E.C.3

HEYNES MATHEW LTD.

Manufacturing Chemists and Pill and Table-Specialists.

7-9 BREE ST., CAPE TOWN

WHAT IS M.O.F.?

When to Recommend This Fortified Infant Cereal Food

M.O.F. is a finely sieved oat flour fortified with Vitamin D, Calcium, Phosphorus and Iron and specially processed for quick cooking.

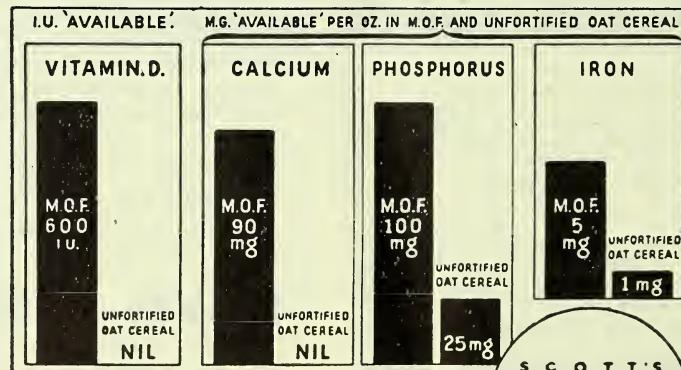
WHEN AND HOW TO GIVE IT

The use of M.O.F. normally begins with the introduction of mixed feeding. It should be made to a thick consistency and may be spoon fed before the normal breast or bottle feed. Small quantities given at first should be increased as the infant progresses, M.O.F. forming one of the staple factors of a mixed diet.

Where artificial feeding must start at an early age M.O.F. can be given as from 3 months.

HOW DOES IT COMPARE WITH OTHER CEREAL FOODS?

One of the reasons why progressive medical opinion recommends M.O.F. is because it is more than a cereal. M.O.F. is a fortified food. How it compares with non-fortified infant cereals can be seen in this chart.



M.O.F. IS PREPARED BY A. & R. SCOTT LTD.,
WEST MILLS, COLINTON, MIDLOTHIAN, SCOTLAND





The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

SEPTEMBER 28
1946

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

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6 for 40 words or less, 2d. for every additional word.

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QUALIFIED woman dispenser is required by a large retail organisation to take charge of the drugs department of a branch in North-West London. No contraceptives sold. Write Box 240, P.E., 110 St. Martin's Lane, W.C.2.

ASSISTANT with dispensing experience or qualified assistant required for good class dispensing business. Apply giving details of age, experience and salary required to Chapman, 76 Falsgrave Road, Arborlow.

BOOTS the Chemists have a number of vacancies for qualified assistants, and fully trained unqualified assistants, male and female, under 35 years age. Applications stating age, experience, district referred, etc., to Retail Staff Dept., Station Street, Nottingham.

BOROUGHBRIDGE, Yorks. Lady, qualified or unqualified for brisk country business. Easy hours. Pleasant district. Permanency if suitable. Please give full particulars with copies of references and state salary required. Moore, Chemist, Boroughbridge.

CHEMISTS' Assistants (ladies) wanted for clerical work in the N.H.I. checking, bureau and stock pricing departments. Apply National Pharmaceutical Union, 4-5 Queen Square, W.C.1.

DISPENSER, Qualified, required for a city pharmacy, half day Saturday, no Sunday duties. Lease estate age, if married, experience and salary required. B. Hooper & Co., Ltd., 6 Railway Place, Enchurh Street, E.C.3.

DURHAM COUNTY. Excellent opening is offered to recently qualified Pharmacist (either sex) as manager in old-established Privately owned Pharmacy. Valuable opportunity for experience in all branches of the business. Good salary. Phone: Ryhope 259. Ileyes', Ltd., Ryhope, Sunderland, Durham.

ELDERLY Qualified Assistant wanted for a good class business. State experience and salary required, etc. Photo if possible. Williams & Smith, Chemists, Horsham, Sussex.

FOLKESTONE. Hall & King require unqualified assistant for dispensing and general duties. Apply with full details and salary required to 36 Grosvenor Gardens, N.14. (Lab 2566).

LIVERPOOL. City Centre. Lady assistant, unqualified junior. Saturday half day, no Sunday duty. R. & J. Herman, 3 Tithebarn Street, Liverpool, 2.

LONDON. Unqualified assistant, either sex, or newly qualified would suit. Wanted mainly for dispensing and help counter. Permanency, no duties, state age, experience, salary required, etc. Apply by letter to Ivor J. Jones, 410 High Road, Streatham Common, S.W.16.

LONDON, N. Required, competent assistant, mainly dispensing, family business. Usual hours. No Sunday duty. Apply G. B. Daniel, 272 High Road, Wood Green, N.22.

ORRIDGE & COMPANY Employment Agency, Columbia House, Aldwych, W.C.2, Chancery 6446-7. Branches at Southampton and Birmingham. Enquiries invited from all employers seeking staff. Many pharmacists and unqualified assistants available for retail and wholesale. Representatives also requiring situations. Reasonable terms. Write to Columbia House for particulars.

PHARMACIST Manager, South-West London Branch. Working class area. Living accommodation available. Permanency. Apply 121/824, C. & D. Office.

QUALIFIED assistant required shortly. Permanent progressive position. Good salary. No Sunday or half day duty. Superannuation scheme in operation. Unfurnished flat available. Apply stating age, experience, etc., to: Superintendent Chemist, Lockhurst Lane Co-op. Society, Ltd., Holmsdale Road, Coventry.

QUALIFIED lady or gentleman required; easy hours, no extra duties. Apply W. T. Battrick (Chemists), Ltd., 34/36 New Park Road, Brixton Hill, S.W.2.

SOUTHAMPTON. Branch Manager required for well established business. Good class dispensing, toilet and photographic, every scope for initiative, permanency, three counter assistants, progressive position. Reply giving full particulars of experience and salary required. W. Bates & Co., Ltd., 25 Oxford Street, Southampton.

STOCKPORT. Qualified assistant pharmacist required, lady or gentleman, suit recently qualified, permanent progressive position. Apply stating age, wage, and giving reference, to: The Secretary, Stockport I. & E. Co-operative Society, Ltd., 27-39 Chestergate, Stockport.

STREATHAM, S.W.16. Young qualified or unqualified (lady or gentleman) for good class family business. Wanted for mainly dispensing and help on counter. Please state experience, salary required, etc., to 123/918, C. & D. Office.

UNQUALIFIED assistant required, counter and dispensing. Good scope for initiative, permanency, progressive position. Reply giving full particulars of experience and salary required. W. Bates & Co., Ltd., 25 Oxford Street, Southampton.

UNQUALIFIED assistant required. Male. Must be young, energetic and capable. Permanency to right man. Apply by letter in first instance, stating age, details of experience, references and salary required, to: A. H. Clark, M.P.S., 24 The Broadway, Maidstone, Kent.

UNQUALIFIED male, counter and dispensing. Medium class cash retail. Easy hours. Congenital post. Usual particulars to: H. R. Sharp, Chemist, 26 Coombe Road, Brighton.

WANTED. Qualified lady or gentleman assistant for high class West End pharmacy. Good salary and easy hours. No Sunday duty. Apply to Hodge, Chemist, 10 Kensington Square, W.8.

WESTON-SUPER-MARE. Wanted, young male qualified assistant. Single. Suit newly-qualified or ex-Service seeking experience. Reply giving age, references, salary required, to F. Bessell, M.P.S., Milton Pharmacy, Weston-super-Mare.

WEST HARTLEPOOL. Vacancies occur for two pharmacists (male or female) capable of taking charge of a branch—one vacancy would suit newly qualified person. Exceptional opportunity for experience in busy good class store pharmacy. Give usual particulars and salary required to: Hartlepool Co-operative Chemists, Ltd., West Hartlepool. **YOUNG Lady**, unqualified, for Chemist's office, Central London. Permanency, Apply Box 124/952, C. & D. Office

WHOLESALE

A KEEN and energetic expert in gums (Arabic, Karaya and Tragacanth) required to organise and run efficiently gum department of a well established progressive City firm. Good connections with consumers, especially distemper factories, essential. Salary and participation in gross profits. Molcarn, Ltd., 65 London Wall, E.C.2.

A COUNTANT or qualified secretary-accountant required. Toilet preparation and cosmetic business. Good references and experience essential. Directorship (with capital) may be considered. £650-£850 p.a. Box 124/954, C. & D. Office.

A CTIVE capable technical and factory manager required on salary and share of profits basis to control development and production of small London cosmetic manufacturing business having interesting quotas but which has been neglected owing to war conditions. Good contacts with suppliers and working experience essential to link with existing export and sales organisation. Apply, in confidence, stating experience, to Box 123/917, C. & D. Office.

A GENTS calling on good-class chemists wanted in many parts of the country to sell on commission a new pharmaceutical product. State area covered and other lines carried. Box 124/948, C. & D. Office.

A PPLICATIONS are invited from youths for work in the process laboratories of a fine chemical factory in the Surrey district. The work provides an excellent training in organic synthesis and every encouragement is given to the selected candidates to pursue their studies. Apply 120/820, C. & D. Office. **B IOSAN** Products require representatives calling on chemists, hairdressers, and stores to carry Shampoo Sheen cream as additional commission line. Other lines if desired. Details of territory and frequency of calls to Biosan Products, 432 Garratt Lane, S.W.18.

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-£600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; Provident Fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience to Ref. F.18, Box 124/931, C. & D. Office.

CHIEF Chemist required for leading firm pharmaceutical and cosmetic manufacturers. London area. Highly qualified, experienced man to take responsibility for new product research, manufacturing, buying and testing of raw materials. Two qualified assistants. Commencing salary according to experience £1,200 to £1,500 with excellent prospects. Write fully, stating age, posts held, etc. Box 123/897, C. & D. Office.

D ORSET, Hants and Wiltshire. Well-known London company manufacturing leading proprietary toilet and medicinal products requires a first class representative resident in the above area. Applicants should reply in own handwriting, stating age, experience, whether known to the chemists in the territory concerned, and salary required, to Box No. T.1465, Bensons, Kingsway Hall, London

E XPERIENCED medical representative required by well known firm of manufacturing chemists to cover London consultants and also to undertake outside supervision of other representatives in Greater London. Good salary and prospects. Full details of age, education and experience in first letter. All applications treated in confidence. Box 123/916, C. & D. Office.

E XPORT Sales Correspondent required in Dublin by British manufacturing chemists. Must possess intimate knowledge shipping and import formalities. Ability to act on own initiative and develop U.S.A., Canada and South America trade. Write fully giving references, age, languages, and salary required to Box 122/890, C. & D. Office.

F IRST-CLASS Cosmetic Chemist required. Good references and up-to-date experience essential. Directorship (with capital) may be considered. £600-£800 p.a. Box 124/955, C. & D. Office.

F IRST-CLASS Commercial Artist required. Cosmetics and toilet preparations. Must have originally appropriate to business. Directorship (with capital) may be considered. £600-£900 p.a. Box 124/956, C. & D. Office.

G LASGOW Branch. Office Manager required by distributor of well known hair preparations and toilet requisites and wholesalers of allied sundry products. Previous similar experience essential. Box 123/904, C. & D. Office.

K EEN and ambitious qualified representatives required by leading ethical pharmaceutical house to call on hospitals, doctors and retail chemists. Salary, expenses and commission, superannuation scheme. Write, giving full particulars with photograph if possible, to Box 1307, c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4.

L ADY or Gentleman (Hall Qualification) required for the production of toilet preparations. Responsible position London S.E. area. State full details of experience and salary required and when available to Box 123/894, C. & D. Office.

M ALE or female Cost and Invoice Clerk required. Must be fully conversant with Surgical Sundries. Write stating experience and salary required to the Medical Supply Association, Ltd., 167 Grays Inn Road, W.C.1.

M ANAGING Chemist, M.P.S., wanted for progressive and growing provincial factory; proprietary and packed pharmaceuticals. Excellent opportunity for one keen to co-operate in development. State qualifications and experience fully with salary expected. Box 124/930, C. & D. Office.

M ANUFACTURING chemists with established connections require full-time representative for Northern Ireland; qualified man preferred. Particulars in strict confidence to Box 124/932, C. & D. Office.

M ANUFACTURING Chemists require production manager, for modern factory near London. Full particulars of previous posts, age and salary required, to: Box 123/893, C. & D. Office.

M ANUFACTURING Chemists require two first-class representatives, one for Devon, Isle of Wight, Cornwall, Somerset, Hants, Wilts, Glos, Dorset; one for Warwick, Worcester, Northants. Permanent career for men of experience, knowledge and ability on salary, commission and expenses. Apply in writing giving full details of career to date. We regret we cannot accept incomplete applications. Box 124/933, C. & D. Office.

MANUFACTURING chemists require a first-class representative for Yorkshire, S. Riding. Permanent career for a man of experience, knowledge and ability on salary, commission and expenses. Apply in writing giving full details of career to date. We regret we cannot accept incomplete applications. Box 123/915, C. & D. Office.

OLD established manufacturing chemists require a representative for the Northern Counties of England to call upon doctors, veterinary surgeons and chemists. Write with details of past experience, etc., to Box 124/926, C. & D. Office.

PHARMACIST (male) required for analytical laboratory by wholesale chemists. Write, stating age, experience and salary required to Chief Chemist, 46 Southwark Street, S.E.1.

PHARMACEUTICAL Chemist wanted with good experience in research and marketing of proprietary and ethical preparations. Factories in London and Yorkshire and the applicant will have to maintain connection between both places. Excellent opportunity for the right man. Please state age, experience, salary expected, etc., in full confidence, 120/819, C. & D. Office.

PROGRESSIVE firm of manufacturing chemists require production manager, with good chemical background, for modern factory near Cardiff. Full particulars of previous posts, age and salary required, to: Box 123/898, C. & D. Office.

REPRESENTATIVES, full-time or agency, required by manufacturers of proprietaries. Vacant territories: (1) Yorkshire, (2) Northern England, (3) Scotland, (4) Midlands, (5) North London. Pharmaceutical connection essential. Box 122/875, C. & D. Office.

REPRESENTATIVE required for Northumberland and Durham. Qualified. Usual references. Strict confidence. Apply by letter, Box 124/940, C. & D. Office.

REPRESENTATIVES (2) required to cover Eire chemists, hospitals, wholesalers and hairdressers for British manufacturing chemists opening Dublin branch. Essential possess live personal connection and some knowledge medical propaganda. Age limit 25 to 45. Salary, commission and expenses. Also one representative for Northern Ireland resident in Belfast. Write fully, enclosing two references, firms represented and when available, to Box 122/889, C. & D. Office.

REPRESENTATIVES wanted. Calling on wholesale hairdressers, stores, etc. Good commission basis. Box 124/929, C. & D. Office.

ROCHÉ PRODUCTS LIMITED require three qualified pharmacists to call on the medical profession in the following areas: 1, East Midland, Nottinghamshire, Derbyshire, Leicestershire, Lincs.; 2, South Wales, Gloucestershire; 3, Oxfordshire, Buckinghamshire, Berkshire, Bedfordshire and part of Hampshire. Particulars of education, experience, etc., to Broadwater Road, Welwyn Garden City.

SALESMAN with technical knowledge of pharmaceutical machinery required to take charge of sales development with important manufacturers of up-to-date pharmaceutical and food machinery. Considerable scope to man with requisite background and initiative. Apply to Russell Constructions, Ltd., Russell House, Adelphi, London, W.C.2. Phone Temple Bar 0433.

SCOLAND. Resident medical representative in Glasgow or Edinburgh required by medical propaganda dept. of well-known manufacturing chemists. Apply in writing, giving particulars of experience and remuneration suggested, to Box 306, Smiths', 100 Fleet Street, London, E.C.4.

SENIOR Sales correspondent, preferably qualified, for sales department of well-known manufacturers of ethical pharmaceutical specialities. Previous experience an advantage, but not essential. Full particulars of education, experience, and salary expected to 119/789, C. & D. Office.

SALES Representative for London area, by well-known firm of manufacturing chemists. Must possess good connections amongst wholesale and retail trades for the sale of insecticides, disinfectants and allied products. Box 123/919, C. & D. Office.

SOLE Agency for London (north of Thames) and Middlesex offered by manufacturers of attractively designed preparations in wide demand. Large number of existing accounts. Remuneration by commission or salary and commission. Applicants must be well known to retail and wholesale chemists, stores and co-ops. and territory regularly covered. Please give full particulars including age, experience and if car owner. Box 123/923, C. & D. Office.

SOLE Agencies offered for 1, Eastern Counties; 2, Bucks, Berks, Herts, Oxford, etc., by manufacturers of popular preparations with sound progressive policy. Remuneration by commission or salary and commission. Applicants must be well introduced to retail and wholesale chemists. Please give full particulars prior to an interview. Box 123/922, C. & D. Office.

SOLE distributors of nationally advertised cosmetics, require live representatives in Cumberland, Westmorland, Northumberland, Durham, the Midlands, Lincoln, Norfolk, Suffolk, Cambridgeshire, Hertfordshire, Berkshire, Buckinghamshire, Oxfordshire, Northampton, Huntingdon, Cornwall, Devonshire, Somerset and Dorset. Big selling lines. Good commission. Write Box 458, c/o Pool's, Aldwych House, London, W.C.2.

STOCKTAKING. Progressive positions for reliable men in Midlands, Lancashire and Yorkshire. Apply giving full particulars of experience, etc. Ernest J. George & Co., Chemists' Valuers, 35 Bridge Street, Walsall, Staffs.

STOCK Keeper or Order Clerk required for Surgical Sundry Dept. Only fully experienced need apply, male or female. Permanent position assured. Write giving full particulars and salary required to The Medical Supply Assn., Ltd., 167/173 Grays Inn Road, W.C.1.

TABLET Maker required by London Wholesale Druggists. A knowledge of pearl and sugar coating would be of advantage. 112/529, C. & D. Office.

TABLET Maker required by a London firm of Manufacturing Chemists. Applicants must have had experience of all kinds of Tablet making and Sugar coating and must understand Rotary machines. 5-day week. Apply in the first instance to Box 110/466, C. & D. Office.

THE British Drug Houses will shortly have a vacancy for a sales representative in the London area. Applicants must be qualified pharmacists and should be between the ages of 25 and 35. Personal references will be required, but should not be enclosed with applications. Letters to be addressed: CMH/GG, The British Drug Houses, Ltd., Graham Street, London, N.1.

UNQUALIFIED Assistants wanted for process work in fine chemical works in Surrey district. Applicants should preferably have had wholesale or manufacturing experience but this is not absolutely essential if adaptable and willing to learn. Good opportunity for a few young men wishing to enter the manufacturing field. Apply 120/821, C. & D. Office.

WELL introduced Sales Representative required for high-grade luxury toilet preparations (nationally advertised), to be carried as additional line on commission basis; to call on chemists, hairdressers and departmental stores for various provincial areas. Give references in first letter and name present lines carried. 114/612, C. & D. Office.

WORKS Manager required, preferably with B.Pharm. or Ph.C. qualification. Experience in pill and tablet manufacture desirable but not essential. Position offers scope for initiative and ability, and is progressive and permanent. Write, Matthews & Wilson, Ltd., 6 & 8, Cole Street, S.E.1.

WHOLESALE (OVERSEAS)

EM. DE SOUZA & CO., P.O. Box 134, Ran~~goon~~, Burma, require unmarried British qualified chemists, with either retail or manufacturing experience. First contract of four years' duration, provides furnished quarters, board and attendance, plus commencing salary of £400 per annum, rising £25 per year. Six months' leave on full pay. Passages both ways. Please apply by Airmail direct.

ENGLISH Company in British Guiana require for their retail drug dept. two qualified assistants, age not over 25 years. Four years' contract. Free medical attention, passage paid out and home at end of contract with four months' leave on full salary. Two weeks' local leave every year. Salary commencing £325 rising to £400. Send full details of apprenticeship, experience, age, and when free, to: A. E. Wright, 28 West Broadway, Westbury-on-Trym, Bristol, 6.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

PART-time position required by qualified, experienced retail and wholesale. Box 122/858, C. & D. Office.

LOCUMS SEEKING ENGAGEMENTS

QUALIFIED Lady (M.P.S.), experienced, desires locum work in London. No company work. Box 121/839, C. & D. Office.

WHOLESALE

AGENT requires additional first-class line for stores, chemists, and hairdressers, in Scotland, Northumberland, Durham, Yorks and Lancs. Box 124/939, C. & D. Office.

FIRST-CLASS Representative, known personally to all chemists, departmental stores and fancy goods buyers, in Staffs, Shropshire, Cheshire, Herefordshire, Gloucestershire, Worcestershire and Warwickshire, including Birmingham, is desirous of contacting manufacturers requiring sales direct to the retail trade. Commission basis only. Replies in strict confidence to Box 123/910, C. & D. Office.

REPRESENTATIVE, 45, living near London, 20 years' experience, sound knowledge chemists and allied trades (including veterinary), live connection with wholesalers, leading chemists and stores all Britain, office experience, seeks change. Would consider indoor post. Box 124/950, C. & D. Office.

SALES Manager available; 15 years' home and export manufacturers selling to chemists, grocers, chain, multiple, Government, medical, etc. Accustomed modern budgetary, control national sales force. Box 122/884, C. & D. Office.

SCOTLAND, agency required; good connection with first-class chemists and stores only. Effective salesmanship assured. Box 124/938, C. & D. Office.

TRAVELLER calling on chemists, hairdressers and stores would like to represent a firm selling special Christmas lines. Write: C. Tucker, 87 Turf Pit Lane, Moorside, Oldham.

UNQUALIFIED (30), ex R.A.F., 10 years' retail experience, desires wholesale situation N.W. England. Desirous of investing capital. Box 123/925, C. & D. Office.

APPOINTMENTS**CROWN AGENTS FOR THE COLONIES
COLONIAL GOVERNMENT
APPOINTMENTS**

Applications from qualified candidates are invited for the following post:—ASSISTANT STOREKEEPER and PHARMACIST required by the Government of Uganda for the Medical Department for one tour of 24 to 36 months with possible permanency. Salary according to qualifications and experience in the scale £372, rising to £600 a year. On salary of £372 cost of living bonus is £43 for a single man and for a married man between £86 and £166 according to number of dependants. Outfit allowance £30. Free passages and quarters. Candidates, not over 35, must be members of the Pharmaceutical Society. Teaching and manufacturing experience is desirable. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/N/13178 on both letter and envelope.

**ESSEX COUNTY COUNCIL
APPOINTMENT OF ASSISTANT
PHARMACISTS**

PHARMACISTS (Assistant) non-resident required at Essex County Council Hospital, Black Notley, near Braintree. Two appointments. Inclusive salary attaching to posts (on scale £320 a year rising by four annual increments of £15 and a fifth increment of £20 to £400 a year) and other terms and conditions of appointment in accordance with recommendations of Joint Negotiating Committee (Hospital Staffs) from time to time applicable and as adopted by the County Council. Appointments will be subject to the Council's Standing Orders and Sick Pay Rules and Regulations, extracts from or copies of which will be forwarded on request. Applications stating age, qualifications and experience accompanied by copies only (which will not be returned) of not more than three recent testimonials should be addressed to the undersigned as early as possible.

JOHN E. LIGHTBURN,
Clerk of the County Council.
County Hall, Chelmsford,
September, 1946.

**KENT COUNTY COUNCIL
ASSISTANT PHARMACIST**

Applications are invited for the following appointment at the County Hospital, Dartford. Assistant Pharmacist (M.P.S. or Ph.C.). Either sex. Hospital experience preferred. Salary £320 a year by four increments of £15 and one of £20 to £400 a year. Superannuation. Medical examination necessary. Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.
County Hall, Maidstone.
19th September, 1946.

WEMBLEY HOSPITAL

102 Beds

Applications are invited for the appointment of a part-time pharmacist (female). Hours 2-5 p.m. (9-12 noon Saturday). Salary payable at the new approved scale. Applications stating age and experience, together with two recent testimonials, should be sent to the undersigned immediately.

P. E. WINDO,
Secretary.

BUSINESS OPPORTUNITIES

for 36 words or less, 3d. for every additional word

DVICE on Export. Perfumery Manufacturers with first-class export connection offer good and if required will show how to develop export business in exchange for floor-space (2,000 ft. min.) wanted temporarily London area. 119/783, C. & D. Office.

NSULTANT Chemist is prepared to advise on preparation and formulae of cosmetics and s. Box 121/854, C. & D. Office.

STRIBUTING house with excellent sales organisation covering 7,000 accounts in U.K. overseas invites proposals from wholesalers wishing to market new or established lines. All com-

unications given prompt and confidential attention.

Write F.G.L., c/o Pool's, Aldwych House, don, W.C.2.

DANS up to £200, repayable over a period of five years, and subject to certain qualifying conditions, are available (to ex-Service men commencing business in London and the counties of Middlesex, Essex, Kent, Surrey, Hertford, Buckinghamshire and Sussex), at 2 per cent. per annum, on provision of approved sureties. Particulars from the Bank of Wilson's Loan Trust, Guildhall House, Fenchurch Street, London, E.C.2.

DONDON Distributors supplying wholesale and retail grocers, chemists and hardware trade receive an offer of toilet rolls direct from manufacturers. Only manufacturers with continuous supplies who are able to supply regularly need answer. 124/927, C. & D. Office.

MALL registered manufacturer of high grade cosmetics, established nine years, wishes to contact export house to finance and develop export of cosmetics and patent medicines. Box 124/935, C. & D. Office.

ANTED. New Ideas. Firm with large sales organisation looking for new lines for distribution. Would be prepared to finance good and novel s. 121/830, C. & D. Office.

ELL qualified technical adviser/representative to advise/represent progressive firms manufacturing/distributing chemists in London, Home Counties. Comprehensive knowledge bacteriological, ophthalmological, medical, veterinary, cosmetic preparations. Free October 15th. Box 124/945, C. & D. Office.

BUSINESSES WANTED

for 40 words or less, 2d. for every additional word.

ILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, e applications for several sound and progressive free-shop Businesses occupying premier trading positions in London and Provinces, or a Group Com- munity would be seriously considered. Others contemplating sale or their solicitors are invited to write further information to Hillier, Parker, May Rowden, 77 Grosvenor Street, W.1.

BUSINESSES FOR DISPOSAL

for 40 words or less, 2d. for every additional word.

ROGRESSIVE business in suburb of important industrial town in Lancs. Returns for 12 months ending March, 1946, £3,000. Gross profit 35 per cent. Small overheads. At present under manager. ce, inclusive of property, house and shop, £500. Box 124/937, C. & D. Office.

SOUTH DURHAM owner, 72, retiring, laboratory furnishing business, established 1866. Pure acids and chemical scientific apparatus, no drugs or ambulance trade. T/o £8,500 approx., increasing added accounts available. Excellent prospects. Warehouse £1,000, goodwill £2,000, stock on at valuation £3,500 approx., fixtures £250. Bankers' references required. Particulars on application, to genuine buyer. Box 124/949, C. & D. Office.

SUNDERLAND. Chemist's business in busy district, double-fronted shop, light oak fittings. Good N.H.I. and cash sales. N.P. £1,300, t/o over £6,000. Heavy saleable stock. Property £1,200. Goodwill required £1,750. Stock and fixtures at valuation. Box 123/905, C. & D. Office.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word.

AGENCIES for the sale of medicated tablets are offered to free lance agents calling on the retail trade. Generous commission rate. Good delivery. Only agents with first class connection need apply. Box 122/873, C. & D. Office.

AGENTS required immediately to carry additional household lines for London and Provinces. Beechwood Industries, Ltd., 447 Caledonian Road, London, N.7.

LAX-VITA, LTD., have vacancies for agents on commission basis only to introduce sanitary towels and belts, Wunda-Wash soapless powder, Vitascalp shampoos and several proprietary products to the retail trade in the following districts: Scotland, Northern Counties, Midlands, West of England. Please write giving full details to 66 Victoria Street, London, S.W.1.

MANUFACTURER'S Agent with 500 open accounts among wholesale chemists, hairdressers, sundriesmen and wholesalers generally handling toilet and fancy goods desires to contact reputable manufacturer with good class products. Substantial business assured. Box 123/912, C. & D. Office.

NORTHERN IRELAND AND/OR EIRE

Manufacturing Chemist calling on Chemists, Grocers and Allied Traders has opening for further agencies covering well-established Patent Medicines, Toilets or Sundries. Buying agencies considered. Resident Northern Ireland. Replies to Box 123/907, C. & D. Office.

PHARMACEUTICAL Specialties. Household medicinal products, toilet sundries, etc. Large Canadian sales agency wishes to represent English manufacturers. Coast-to-coast sales coverage of retail/wholesale drug trade. Write Laurentian Agencies, 429 St. Jean Baptist Street, Montreal, P.Q., Canada

REPRESENTATIVES and Agents required in some areas to carry additional non-competitive line now being nationally advertised. High commission basis. Write stating area covered and lines carried. Vita Laboratories, 253/5 Kingsland Road, London, E.2.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ACTUAL User would appreciate supplies of Vanalin. 120/806, C. & D. Office.

ANISEED and Peppermint Oils, 550 Saccharin Powder and No. 3 and 7 Tablet Bottles wanted by manufacturers for own products. Quantities and prices to Three Crown Tablet Co., 21-25 Denningham Street, Hull.

A GOOD price offered for Cameras, Enlargers and all Photographic Apparatus, Exposure Meters, Tripods, good Binoculars, Microscopes, Cine-Cameras and Projectors, prompt cash. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1. **A**UTOMATIC Cream Filler wanted at once; big A price paid. Shaver Co., Bavaria Road, Holloway, N.19.

EDIBLE Sheet and Powdered Gelatin required in large quantities. 965/970, C. & D. Office. **M**ANUFACTURING chemists desire to purchase about 7 lbs. Baptisia Root either whole crushed or powder. Box 123/914, C. & D. Office.

MIXING and kneading machine wanted, preferably jacketed, about 3 cubic feet capacity. D.F., Ltd., 49 Grayling Road, London, N.16.

REQUIRED: weighing machine suitable for adults and babies, including basket. Box 122/885, C. & D. Office.

SACCHARIN Tablets required, bulk or packed, any quantity, surplus stocks or regular outputs purchased for cash. Write Box 354, c/o J. G. King & Son, 150 Fleet Street, London, E.C.4.

SHAVING Cream in bulk, also shaving sticks required urgently. Box 124/941, C. & D. Office.

STEARIC Acid and paraffin wax—supplies required for big users. Please state price, quantity offered and M.P. Box 124/953, C. & D. Office.

STEARIC Acid Triple Pressed required in large quantities. 965/969, C. & D. Office.

WANTED. Any quantity Pepsin B.P., Papaverine Hydrochloride, Yohimbine Hydrochloride, Ext. Yerba Santa Liq. 120/823, C. & D. Office.

WANTED for export: washing soda, 100 tons, 5 ton lots further 50 and 100 ton lots. Tartaric acid 5 ton lots Zinc oxide (red seal) up to 200 tons. Prec. barium sulphate 25 tons. Aluminium powder or paste 10 tons. Xylo 10 tons. Glycerine 99 per cent. pure water free 2 tons. Chromic acid 3 tons. Box 124/946, C. & D. Office.

WANTED, plain square-shaped lotion bottles, sprinkler neck with caps, capacity 4 oz. to 6 oz. Export only; quantities 10/50,000; early delivery. 118/753, C. & D. Office.

WANTED. Saccharin 550 powder or tablets, any quantity, also aspirin powder, aspirin tablets, phenacetin powder, extract of malt and glycerin. All purchases cash with order. Excess stocks also bought. 114/601, C. & D. Office.

WANTED to purchase, large quantity of 2-dram perfume bottles. Send particulars to Box 455, c/o Pool's, Aldwych House, London, W.C.2.

WANTED. Glazed packets, $\frac{1}{2}$ in. x $\frac{1}{2}$ in. or $\frac{2}{3}$ in. x $\frac{1}{2}$ in. State quantity and lowest prices. W. J. Davies (Western), Ltd., Queen Street Arcade Chambers, Cardiff.

WANTED. Mineral Oil (technical oil), colourless and odourless, in 5-ton lots. Box 124/928, C. & D. Office.

WANTED, 50,000 gas mask container cartons. Write to Box 124/934, C. & D. Office.

8 OZ. Plain Medicals, 8-oz. ribbed Ovals, 2 $\frac{1}{2}$ -oz. Panels; divisioned. Cartons to hold any of these. Samples and prices to S. Tatlow & Co., Ltd., Eckington, Sheffield.

26 OZ. and 13-oz. Wine or Champagne Bottles required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

APPROXIMATELY 280 gross cardboard drums, A good quality, metal bottoms, metal caps, perforated and sealed. Size 3½ in. x 1½ in. Price 8s. 6d. per gross, free on rail. Samples on application. First offer accepted. Box 124/943, C. & D. Office.

ABOUT 25 cwt. sodium thiosulphate, packed in kegs and drums, in good condition. Offers invited. Box 2037. G.T.C., 82-94 Seymour Place, W.1. Paddington 3456 (12 lines).

LIMITED Quantity 'Delmos Junior' razor blades 10s. 8d. gross net including purchase tax. Retail 1s. 3d. packet of 12. Also 'Delmos Thin' Luxury blades 18s. gross net including purchase tax. Retail 2s. packet of 12. Finest value on the market. Attractive Display Cartons. Immediate delivery. Send cash with order. Samuel Baron & Co., 127 Borough High Street, London, S.E.1.

MARCONI Ecko p.H. meter complete with electrode assembly; Pearson's Model H, Low Temperature Incubator No. A.1063 in perfect condition, practically unused. Price £100 or near offer. M., 105 Tonbridge Road, Maidstone.

OFFERED, one brand new, unused, Pascall triple-roll ointment mill, recently delivered. Offers to F.E. Box 123/924, C. & D. Office.

ONE ton each of the following:—Cadmium, red and yellow, toluidine, hansa yellow, chrome (yellow, orange, oxide), strontium chromate, indanthrene blue, heliogen blue, maccastrol, marcon oxide, antimony oxide, titanium dioxide, blue basic lead sulphate, synthetic iron pigments, basic lead carbonate white, red lead, lead oxide, manila copal or substitute, paraffin wax, caustic soda, pigments for cellulose lacquers, oil paints, synthetic enamels, and alcohol, soluble enamels and emulsion paints. Also creosole, metacresole, butylacetate, ethylacetate, maizedextrate, saccharine powder, zinc white, Box 124/947, C. & D. Office.

PAILLARD Bolex 16 mm. cinematograph camera with turret head fitted 3 Dallmeyer Lenses complete with leather case including device for wipes, fades, etc., and exceptionally firm tripod. Also titling set with several founts. Also editing apparatus and resistances. The camera very little used almost as new. All a semi-professional outfit offered as one lot. Box 123/913, C. & D. Office.

PLASTIC containers for sale, 1 oz. quick release screw cap plastic containers moulded in black or walnut. 500 gross. Box 123/921, C. & D. Office.

TO Clear: approx. 20 grs. nail varnish bottles; 15 grs. $\frac{1}{2}$ oz. squat jars, 10 grs. 1 oz. pyramid bottles, perfume essences water sol. and spirit sol., 6 cwt. sod. carbonate peas. J. R. Bloom, Ltd., 35 Warrington Crescent, London, W.9.

10 GRÖSS Eau de Cologne, separately boxed, first quality, 6 ozs. To be sold for the export market. Write Box 121/856, C. & D. Office.

200 GROSS $\frac{1}{2}$ oz. cannon bottles for sale. Inquiries Box 123/920, C. & D. Office.

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AROLLING Stone who has gathered some moss and also experience requires active partnership in South Coast retail, wholesale or manufacturing business. The advertiser is qualified, keen, knowledgeable and progressive. Highest credentials. Write, Box 124/951, C. & D. Office.

PHARMACIST with adequate capital seeks active partnership in wholesale, packing or manufacturing concern, preferably in Manchester. Box 124/936, C. & D. Office.

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For painful lesions of the skin and mucous surfaces.
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For the treatment of wounds and burns.
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A pleasantly flavoured preparation containing
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Resuming Normal Supplies

Although all demands for FELSOL cannot yet be met as quickly as we should like, we are pleased to announce that production is now steadily increasing week by week. Supplies therefore are not so limited as previously and the delays in deliveries caused through war-time hindrances are gradually being overcome.

With the efforts now being made to resume normal supplies, it is hoped that, in the near future, all orders for the standard size will be executed without delay. For the time being the large size must still be reserved for physicians' private prescriptions, hospital and N.H.I. dispensing purposes.

In thanking pharmacists for their patience and co-operation, we again apologise for inconveniences caused by circumstances beyond our control.

P.A.T.A.

BRITISH FEL SOL COMPANY LTD.

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1
Telephone CLERkenwell 5862 Cables 'Felsol' Smith, London.

